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Twenty-second Annual Report

of the

University of Illinois
Health Service

1937-38



UNIVERSITY OF ILLINOIS

HEALTH SERVICE

Departments in Urbana-Champaign

Twenty-Second Annual Report


1937-1938

J. HOWARD BEARD, M.D., Health Officer

Urbana, Illinois

December, 1938

UNIVERSITY OF ILLINOIS
HEALTH SERVICE



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GENERAL INTRODUCTION

Within certain limitations, the Health Service of the University of Illinois is charged with the duty of conserving and promoting the health of the students. As its functions are primarily educational and preventive, it aims to control communicable disease in the University population and to teach students the essentials of healthful living. Its methods are classroom instruction, physical examination, personal conferences, demonstration of disease control, the maintenance of sanitary surroundings, and sustained efforts towards the promotion of prompt adjustment to a university environment.

The past year, from July 1, 1937, to June 30, 1938, has been the busiest in the history of the Health Service. With the exception of a threatened outbreak of smallpox which resulted in increased visits for vaccination and observation at the Health Service Station, communicable disease showed no tendency to become epidemic. The low morbidity rate among students was a reflection of the good health throughout the country.

Since the student body is ever-changing, it is difficult to draw direct comparisons of the trends of student health. It is interesting to note, however, that as a rule an upperclassman makes fewer visits to the Health Service than does a freshman. This may be explained, at least in part, by the fact that minor defects found in students when they enter the University are

corrected or improved within a year or two. Sophomores, juniors, and seniors have learned in hygiene to take better care of themselves.

The creation of the Champaign-Urbana Health District, a distinct step forward in public health administration in the Twin Cities, will help materially in maintaining sanitary surroundings for students and in providing improved sanitation of local lunch rooms and confectioneries. The Health Officer of the District has certain police powers to reënforce his advice, powers which the University Health Officer does not possess. The passage of the present proposed ordinances providing for the examination of foodhandlers, inspection of restaurants, regulations for the production and distribution of milk will do much to safeguard the health of those students who must get their meals in public eating places.

The competition for personnel offered by the United States Public Health Service, the Army, the local departments of health, and private practice is increasingly putting the Health Service at a disadvantage in obtaining and retaining promising members of its staff. The rewards and opportunities of private practice have a strong attraction for certain types of physicians who are rather gifted in their ability to make successful contact with the public, and who are more interested in the therapeutic than the preventive aspects of medicine. Within the past two years, this appeal has taken three promising members of our staff

into private practice, where they are becoming more and more successful. When such personalities go elsewhere, the staff suffers a real loss.

In dealing with the various aspects of student health the Health Service has received very valuable aid from the deans and directors of the various colleges and schools of the University, and from the directors of the general administrative departments. The local officials and physicians of the Twin Cities have coöperated whole-heartedly in looking after the health of students and insuring them a wholesome environment.

VISITS

Students made 82,471 visits and Civil Service employees 2,563 to the Health Service Station during the academic year 1937-1938. In addition, there were 616 miscellaneous calls on University or other business, making a grand total of 85,650 visits, the largest number since the establishment of the Health Service. Of these visits, 22,686 were made as a result of the threatened small-pox epidemic in February. There were 5,456 calls because of the required physical examination upon entrance, an increase of 2.06 per cent over the preceding year. A total of 2,963 students was reexamined.

The number of visits per student registered was 6.2. The men of the class of 1941 called 23,697 times, an average of 6.75 calls per man; the women, 7,895 or 5.66 visits per woman. The average for upperclassmen was 5.3 for the men and 8.2 times for the women. Freshmen usually make more visits per capita than members of the other classes because of the required physical examination, reexaminations, conferences in hygiene, and a greater predisposition to illness.

Health Service visits increase with each additional student registered, each new employee engaged, and with the extension of University activities to those fields involving work requiring medical supervision. Preventive medicine and health education, which are rapidly coming into their own throughout the

TOTAL YEARLY VISITS TO
THE HEALTH SERVICE
IN THOUSANDS



* Visits exclusive of those associated with threatened smallpox epidemic.

Chart No. 1

nation, have contributions to make to all the enterprises of the University, whether academic, scientific, or social.

MEDICAL EXAMINATIONS

Students:- Complete physical examinations were given to 5,456 students in the academic year of 1937-1938. This is an increase of 110 students, or 2.06 per cent, over the preceding year. Of this total, 3,873 were men and 1,583 were women - an increase of 2.89 per cent for the former and .063 per cent for the latter. Examinations were given to 553 prospective students who did not register.

High School Pupils:- At the beginning of the school year, 84 high school students were examined. Of these, 49, or 58.33 per cent, had had their tonsils removed. Of the total, 34.52 per cent had suffered severe injuries and 29.76 per cent were unvaccinated. This lack of vaccination, which is a sad commentary on the slowness of people to take advantage of a well-established protective measure, has been largely removed by Presidential decree on February 25, 1938, requiring immunization against smallpox or a withdrawal from school for 16 days.

Civil Service Employees:- During the year Civil Service Employees made 2,563 calls to the Health Service Station, of which 295 were for physical examinations at the beginning of employment.

and the Commission has taken into account the fact that the
applicant has not yet been able to obtain a patent for his invention.

3. The Commission's findings

The Commission has found that the applicant's invention is
new and inventive. It has also found that the applicant has
not been able to obtain a patent for his invention. The Commission
has therefore decided to grant the applicant a patent for his
invention. The Commission has also found that the applicant has
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invention.

NUMBER OF STUDENTS PER 1000 EXAMINED

WHO FAILED TO REGISTER DURING A TEN YEAR PERIOD

	<u>Number Taking Physical Exams</u>	<u>Number Not Registering</u>
1928-29	4457	273
1929-30	4696	323
1930-31	4772	333
1931-32	3936	296
1932-33	3131	260
1933-34	3728	361
1934-35	4321	241
1935-36	4662	474
1936-37	5346	478
1937-38	5456	553

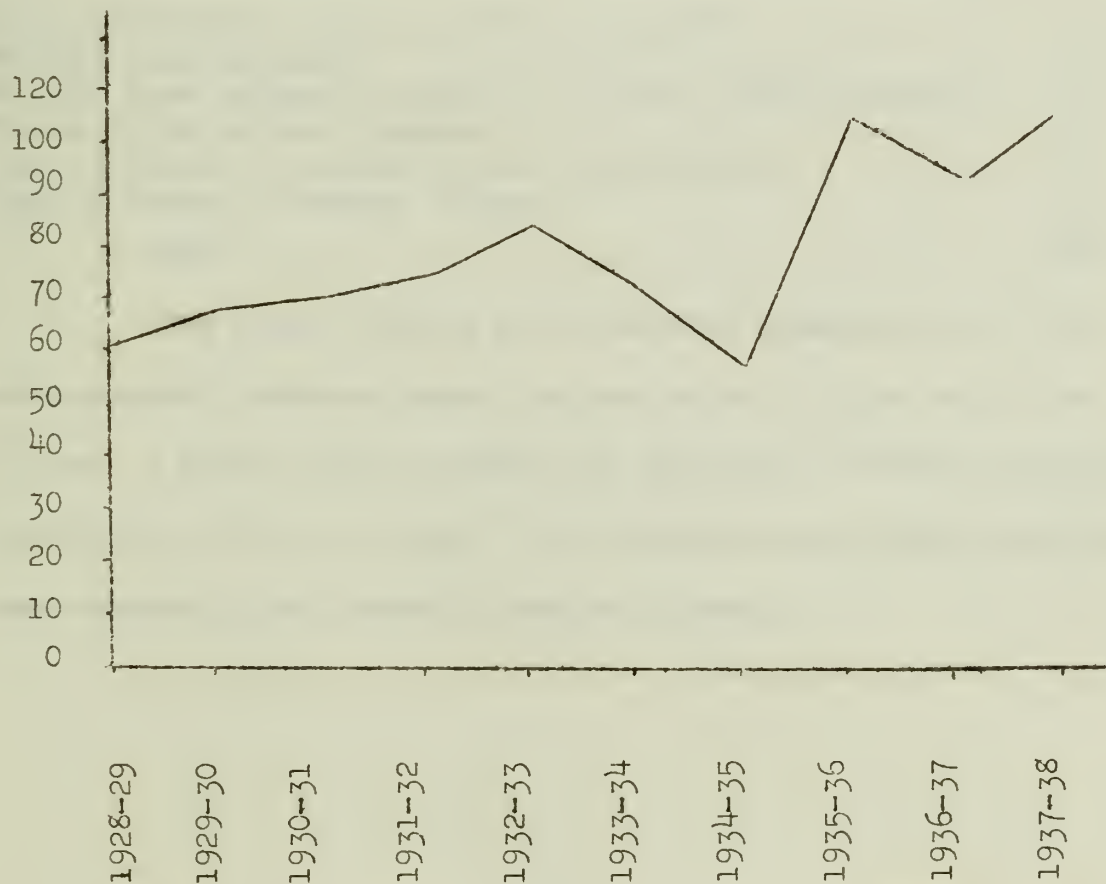


Chart No. II.

Their physical classification was as follows: 282 good, 11 fair, and 2 disqualified. Of the new employees, 283 were men and 12 were women.

Chauffeur Examinations:- A total of 185 faculty members and employees who were to drive University automobiles was examined as to their acuity of vision, colorblindness, hearing, reflex action, and their general health. Of these prospective drivers, 149 were normal, and recommendations were made concerning the other 36 as follows:

Table 1
Chauffeur Examinations - Faculty and Employees

To use University cars as little as possible	1
To have eyes examined	6
To have eyes reexamined and not to drive without glasses	3
Not to drive without glasses	21
Loss of hearing - hazard to self and community.....	4
Loss of vision, cataract one eye	1
Total	36

The Health Service gave chauffeur examinations to all undergraduate students requesting permission to drive motor vehicles. A total of 962 students was examined. Of these prospective drivers, 846 were normal. The recommendations and observations made concerning the other 116 are as follows:

Table 2
Chauffeur Examinations - Students

Should have eyes examined	10
Should not drive without glasses	81
Should have eyes reëxamined and not to drive without glasses ..	11
Hazard to self and community	1
Impairment of hearing	1
Blind in one eye	1
Colorblind	3
Defects of lower extremities (poor function, ankylosis, injury, amputation, use of braces.....)	8
Total	116

Supervision of Foodhandlers:- Prospective employees who were to handle food products, students employed as foodhandlers by the University, and those enrolled in courses in dairy manufacturing, lunch room management, and meat courses were examined to determine whether or not they had communicable disease or were disease carriers. Foodhandlers who had not been successfully vaccinated against smallpox within the last five years were re-vaccinated. Tests to detect disease carriers were made as a routine, and all foodhandlers were immunized against typhoid fever in accordance with University regulations..

In coöperation with the Student Employment Bureau, 46 students were given foodhandler examinations prior to their being certified to jobs as waiters, cooks, or dishwashers. This procedure strengthens very materially the safeguards against possible disease carriers becoming sources of epidemics.

The following table shows the number and distribution

of the foodhandlers examined who were in the employ of and taking courses in the University.

Table 3
Distribution of Foodhandlers

Agriculture salesroom ...	3
Mary E. Busey Hall	67
Dairy Department	209
Cafeteria, Woman's Bldg..	66
Davenport House	11
Total	356

The presidents and commissaries of all organized houses and the proprietors of all boarding clubs, lunch rooms, and refectories catering to student trade are continually being urged to give their patrons the same scientific protection against disease as that provided by the University for patrons of its food distributing agencies. Many houses and some eating places have responded to this advice and to the extent of their coöperation have increased the protection of the health of the University population and of the citizens of the Twin Cities.

The above coöperation was entirely voluntary and offered considerable protection not only because possible disease carriers were determined, but also because the kitchen and dining room help were immunized against both typhoid fever and smallpox. This is an advantage to the student who has to support himself, to the group which he serves, and to the community.

Athletic Examinations:- Prior to participation in athletics a total of 2,266 students was examined, of which 1,648

were men and 618 were women. In 50 instances, it was necessary to recheck the physical conditions of the students before they were finally certified or rejected for athletics. Of those wishing to participate in varsity sports, a total of 17 men was rejected for the causes listed in Table 4.

"FOLLOW-UP"

New Students:- Of the 5,456 new students examined, 2,537 men and 427 women were recalled for conference and advice concerning their conditions.

In addition to the regular physical examination, 2,356 men and 868 women filled out personal hygiene questionnaires which were rather complete inventories of their health habits and mental attitudes. Each student was given an interview concerning any deviation from the normal. His physical condition and mental health were discussed with him on the basis of his questionnaire and medical record.

Tuberculosis:- A total of 31 students, 26 men and 5 women, have been under close observation as possibly having tuberculosis. At the time of the medical examinations on entrance, 310 students gave a history of tuberculosis in their immediate families. Of the men examined, 444, or 11.46 per cent, were below the minimum requirements of the War Department for weight and

Table 4
Men Rejected for Varsity Athletics

<u>Reason</u>	<u>Hockey</u>	<u>Football</u>	<u>Baseball</u>	<u>Gymnastics</u>	<u>Track</u>	<u>Wrestling</u>	<u>Total</u>
Atrophy of leg				2			2
Possible nephritis		2					2
Undescended testicle in the canal ..						1	1
Injured knee						1	1
Impaired hearing		1					1
Mitral regurgitation		1					1
Hydrocele					1		1
Hernia		4	1				5
Vision (blind in one eye)	<u>1</u>	<u>2</u>					<u>3</u>
Total	1	10	1	2	1	2	17

development for their ages. Of the women, 95, or 6.0 per cent, were of fair development only. A considerable portion of these "substandards" are the type which usually show an increased predisposition to tuberculosis. Many of them have been under prolonged observation while on the campus.

The eradication of tuberculosis in college students requires not only repeated physical examinations and the use of a well-taken medical history but also tuberculin testing, x-ray study, and a "follow-up." Without the tuberculin test and the skiagram of the chest many early cases of tuberculosis will be missed until sufficiently advanced to make their cure doubtful, if not hopeless.

Heart Disease:- During the year 51 students were found to have cardiac abnormalities. They have been kept under observation, have been repeatedly examined, and a regime of activity has been outlined to protect their hearts from unnecessary strain. Of these, 34, or 66.67 per cent, were excused from military and regular physical education and were assigned to adaptive gymnastics to receive suitable exercise. Three students had suffered such cardiac damage as to make the requirement of physical education an unwarranted risk. They were permanently excused. The heart disease of students in most instances is the sequel of acute rheumatic fever, streptococcic infection, or a complication of a disease of childhood.

Albuminuria:- A total of 239 freshmen was found to have albuminuria on first examination. The albuminuria was persistent in only 36, or 15.06 per cent. Members of this group were referred to their family physicians or to urologists for further study and treatment. Those requiring it were excused from military and physical education and assigned to adapted exercise for their protection.

Two Civil Service employees at the time of their physical examinations were found to have transient albuminuria. Of the 84 University High School students examined, 4 had the same condition.

Glycosuria:- Of the 5,456 students given a urinalysis, 77 were found to have alimentary glycosuria and 2 diabetes. The diabetics were referred to their family physicians for further observation and treatment.

Maladjustment:- A sustained effort has been made during the year to discover students who were maladjusted to the demands of modern life. For this purpose, every member of the class of 1941 has had one or more conferences with a member of the Health Service staff, and 3,224 personal hygiene questionnaires and medical records have been studied. This procedure has been helpful in determining the physical and mental health of students,

their housing conditions, and their adjustment to life in a university community.

COMMUNICABLE DISEASE

Prevalence:~ The low incidence of communicable disease in the state and nation was reflected in its occurrence among students last year. Only 2 cases of scarlet fever appeared in the student body, in comparison to 24 last year. Chickenpox and measles showed an increase. In Table 5 are given the communicable disease cases reported in the student body during the year.

Table 5
Communicable Disease Cases in the Student Body

Coryza	820
Coryza (hospitalized)	680
Vincent's angina	40
Chickenpox	16
Measles	11
Mumps	4
Scarlet fever.....	2
Amoebic dysentery.....	1
Erysipelas	1
Infantile paralysis	1
Rubella	1
Trachoma	1
Typhoid fever	<u>1</u>
Total	1579

A modified quarantine procedure for dealing with students exposed to scarlet fever in the Twin Cities has been continued in order to reduce to the minimum compatible with safety the loss of time from the classroom.

Table 6
Modified Quarantine for Scarlet Fever

<u>Number Exposed</u>	<u>Dick Tests</u>		<u>Certificates on File</u>
	<u>Positive</u>	<u>Negative</u>	
134	57	52	25

Late in February, 1938, after several cases of smallpox had appeared in the Twin Cities, the Director of the State Department of Health Stated that in his opinion a smallpox epidemic was impending, and upon his advice the President directed that all students, faculty members, and University employees be vaccinated or remain away from the campus for a period of 16 days. This order resulted in the vaccination of the entire University population, with the exception of only 4 persons who remained away from the campus. A total of 20 cases of smallpox occurred in the homes of the residents of Champaign-Urbana, but prompt vaccination stopped the impending epidemic.

Hospitalization:- McKinley Hospital admitted 40 students with quarantinable communicable disease for a total of 349 days or an average of 8.72 days per patient. As will be noted in Table 7, measles was responsible for 12, or 30 per cent, of the cases and 88, or 25.21 per cent, of the hospital days.

Table 7
Communicable Disease Cases Cared for
at McKinley Hospital

<u>Disease</u>	<u>Cases</u>	<u>Days</u>
Measles	12	88
Chickenpox	9	69
Mumps	6	57
Vincent's angina	5	18
Scarlet fever	4	81
Malaria	2	7
Diphtheria	1	14
Infantile paralysis	1	15
Total	40	349

Table 8
Contacts

Number of students exposed to communicable disease	1090
Number held in quarantine	20
Number permitted to attend classes under observation	63
Number requiring no isolation.....	1007

Venereal Disease:- The incidence of venereal disease among students, which has always been low, showed a very marked decrease in those observed, both as a result of voluntarily calling and of a follow-up on the basis of reports. Part of this decrease can be attributed to the activities of public officials, social agencies, and interested citizens in conducting locally a campaign of education and suppression of prostitution. In all, 7 students were found to have gonorrhea, and 1 syphilis. This is a rate of 0.53 per thousand for the former and 0.075 for the latter.

As a result of a routine Kahn test on all employees being examined under the Civil Service, 6, or 2.03 per cent, were

found to have either late or latent syphilis. These cases were not in an infectious stage, but were required to undergo treatment by their family physicians to avoid the disabling and destructive complications of late syphilis. These individuals were most co-operative and appreciative when they realized what protection proper treatment had to offer them. Several of them did not know they had syphilis, which is in keeping with the usual findings, namely, that one man out of five and one woman out of three who have syphilis do not know it.

Students have continued their interest in the campaign against syphilis. Voluntarily, they have requested and received Kahn tests. The number taking these tests has nearly doubled over that of last year. Several organized groups have made a Kahn test a prerequisite to membership. Out of 1,062 tests given to students, only 1 was positive. Since February 17, 1938, all prospective University employees have been given a Kahn test as a part of their physical examination. The results have been considerably higher than in the student body. There have been 4 positive out of a total of 102 tests, or more than 10 times the incidence among students. Age and consequently a longer period of potential exposure partly account for this difference.

Faculty and Civil Service Employees:- The number of cases of communicable disease in the families of the faculty and

Civil Service employees showed a slight increase over last year. A total of 43 cases was reported during the year, of which 10 were chickenpox, 3 scarlet fever, 1 mumps, 1 rubella, 1 Vincent's angina, 1 typhoid fever, 1 smallpox, 23 measles, 1 poliomyelitis, and 1 dysentery.

Vaccination for Spotted Fever:- During the year a total of 9 men, students and faculty members who expected to study and do research in the Rocky Mountains, were inoculated against spotted fever. This vaccine was furnished free by the special laboratory of the U. S. Public Health Service at Hamilton, Montana.

COÖPERATION WITH THE DEPARTMENTS OF MILITARY SCIENCE AND PHYSICAL EDUCATION

Permanent Classification:- During the year it was necessary to assign 287 men and 131 women to individual gymnastics for special training. Because of marked physical abnormalities or organic diseases 7 students were classified as unable to take either physical education or military. Of these, 2 had marked organic heart disease, 2 had arrested tuberculosis, 1 diabetes, 1 severe osteomyelitis, and 1 arthritis.

A total of 77 students was permanently excused from military because of their failure to meet the minimum requirements of the Medical Department of the Army. Twenty-five students who

were below the minimum physical requirements for commission but who desired to take military were assigned to it. Their physical conditions were such that they could undergo training without undue risk.

Temporary Excuses:- In the course of the year 326 men students were given temporary excuses from military, physical education, or both; 117 from military and physical education, 59 from military only, and 150 from physical education only. They had undergone recent operations, were convalescent, or had lost so much time on account of illness that they were unable to complete satisfactorily the work for the semester.

A total of 99 recommendations was issued to students whose physical condition made it desirable for them to change from one course in physical education to another or to modify their required exercise. Students who had sinusitis, infections of the middle ear, or perforation of the ear drum were transferred from swimming to a form of exercise less likely to cause them trouble. By such transfers, those with ringworm of the feet or who had undergone recent operations were able to take exercise with a minimum of risk of injury and with maximum protection to their associates against infections.

Advanced Corps Students:- At the request of the Military Department, the Health Service administered 246 doses

of vaccine to 82 students to immunize them against typhoid fever. Those students who were unvaccinated against smallpox and those whose scars were more than five years old were re-vaccinated preparatory to going to camps of the Reserve Officers Training Corps. The laboratory of the Health Service made 534 urinalyses upon students who were being given special examinations by members of the Medical Corps of the Army for advanced military work.

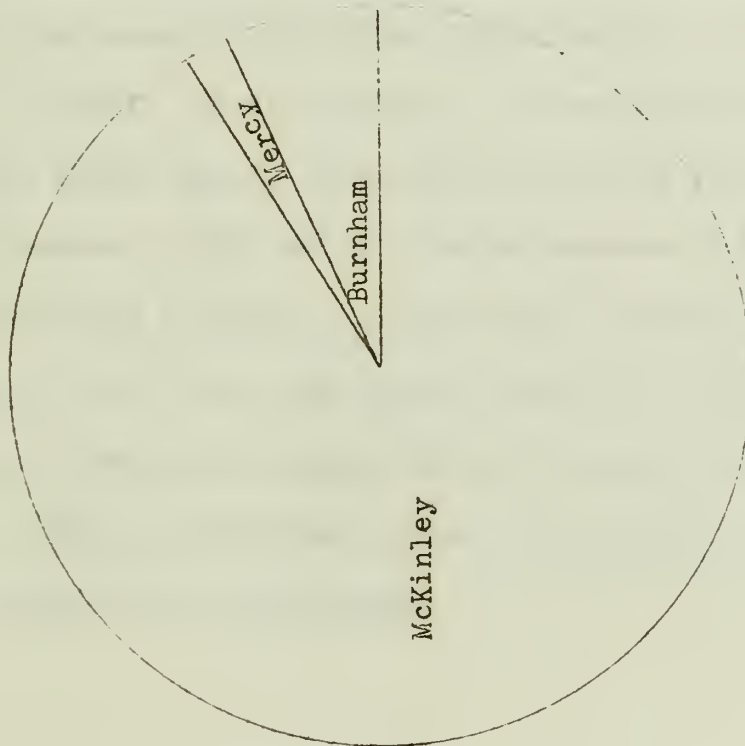
Upon request of the Military Department, one of the offices at the Health Service Station and its facilities were made available to the Medical Corps of the United States Army for examinations of applicants desiring to enter into aviation or other branches of the regular Army.

HOSPITALIZATION

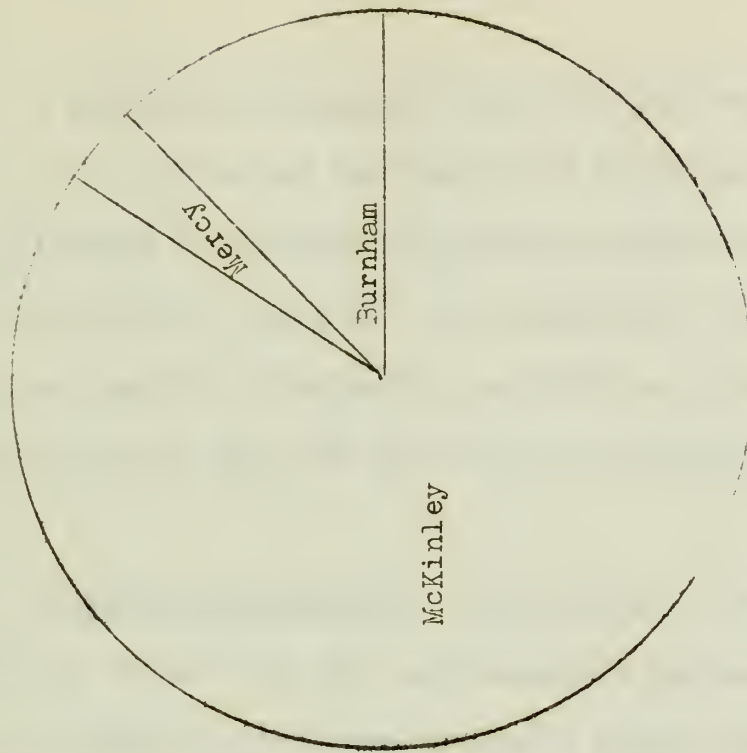
The Student Body:- In a body of 13,266 students, hospital facilities are an important problem. A total of 2,561 students was admitted to the McKinley Hospital for 8,122 days, which is an average of 3.17 days per patient. This means that 19.32 per cent, or one out of every 5.18 students enrolled, was hospitalized at the University Hospital, which is quite a contrast with 18 years ago when only about one student in 40 was admitted to the hospital and the average stay was 7.45 days instead of 3.17 for the academic year 1937-1938.

Of all the students hospitalized, 90.06 per cent were

DISTRIBUTION OF HOSPITAL CASES
DURING 1937-1938



DISTRIBUTION OF TOTAL NUMBER
OF HOSPITAL DAYS 1937-1938



admitted to McKinley Hospital and only 9.94 per cent to other hospitals. The latter had the benefit of 15.93 per cent of the student patronage in hospital days and the former had 84.07 per cent. The burden of caring for the student body falls mainly on the McKinley Hospital - entirely upon it in an epidemic because the local hospitals will not take cases of communicable disease.

Hospital Association:- Hospitalization has been very much improved through the able and energetic campaign of the staff of the office of the Dean of Men to induce students to take advantage of membership in the Student Mutual Benefit Hospital Association. This program provides better control of communicable disease, prevents the occurrence of epidemics by getting students isolated promptly, reduces complication by early treatment, and saves loss of time from classes.

Students, faculty members, and employees voluntarily joining the Mutual Benefit Hospital Association during the first semester numbered 7,990 and the second semester 5,832, which were respectively 63.94 per cent and 50.11 per cent of the student enrollment for the first and second semesters of 1937-1938. Less students join the Hospital Association the second than the first semester. This is regrettable since the morbidity rate is usually higher in winter and early spring.

Local Hospitals:- The Burnham and Mercy Hospitals admitted 283 students for a total of 1,539 days, or an average of 5.44 days per patient. The average length of stay in these local hospitals is somewhat longer than that in the student hospital because of the fact that the latter does not admit patients known to require surgery, more particularly major surgery. During the past year students remained on an average of about $2\frac{1}{2}$ days longer in the local than in the University Hospital.

Civil Service Employees:- There have been 83 accidents to University employees in the line of duty. A total of 76 needed minor surgical attention as a result of their injuries and 27 were injured so seriously as to require prolonged treatment. The latter group were referred to outside surgeons, specialists, or radiologists. Of these employees, 4 were hospitalized for a total of 10 days.

STUDENT DEATHS

I deeply regret to report that 9 students died during the year. Of these deaths, 4 were caused by automobile accidents, 1 motorcycle accident, 1 suicide, 1 by meningitis, 1 malignant tumor of the thyroid, and 1 dilation of the heart. Motor vehicle accidents cause more deaths of students than disease.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
STUDENT DEATHS
1910-1911
The following table shows the names of the students who died during the year 1910-1911, and the causes of death.

NAME OF STUDENT
CAUSE OF DEATH
DATE OF DEATH
AGE AT DEATH
PLACE OF BIRTH
DATE OF DEATH
AGE AT DEATH
PLACE OF BIRTH

STUDENT DEATHS
1910-1911
The following table shows the names of the students who died during the year 1910-1911, and the causes of death.

INSTRUCTION IN HYGIENE

Survey of Health Teaching in High Schools:- A study of 2,391 questionnaires submitted to students in Hygiene 2 and 5 reveals how instruction in hygiene in high schools was shared with a variety of other subjects. Of the total, only 71 high school teachers taught hygiene only. Appendix F shows the number of other subjects taught with which hygiene was shared. From these findings, it would seem that many high school teachers are merely drafted to give instruction in hygiene and sanitation without having had an adequate preparation or background in either subject.

The results of the survey (see Appendix F) show conclusively that health education in high schools is much below the needs of individuals in our present complex society. It is not surprising, therefore, that the percentage of students passing the hygiene proficiency examination is low.

Proficiency Examination:- A total of 104 students passed the proficiency test in hygiene and received credit in it. Of this total, 9 were students from outside this state, and 31 were from Champaign County. The distribution by colleges of those who passed the proficiency test the past year is given in Table 9.

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Table 9
Distribution by Colleges of Those
Passing Hygiene Proficiency Examinations

Liberal Arts and Sciences	58
Engineering	17
Commerce	15
Agriculture	13
Fine and Applied Arts	<u>1</u>
Total	104

Elementary Hygiene:- For the first semester, elementary hygiene and sanitation were taught to 1,789 students, of which 1,297 were men and 492 were women. The total registration for both semesters in elementary hygiene was 3,367, or an increase of 7 over that of last year. In all, there were 28 sections for the men and 10 for the women each semester.

Advanced Hygiene:- The advanced course in hygiene for coaches, physical education majors, and teachers had a total registration for the year of 126 students. During the first semester, the enrollment was 36 students; in the second, 90.

Hygiene X3:- In coöperation with the Director of the University Extension Service a correspondence course in hygiene was offered, which had a registration of 22 students. The quality of the work so far presented by those taking it is most satisfactory.

SANITATION

To insure students with as safe and sanitary living conditions as possible, the Health Service has investigated complaints to determine the cleanliness and healthfulness of the student environment. A systematic inspection of fire hazards and sanitary conditions in lodging houses has been made during the year, and unsatisfactory conditions have been called to the attention of landladies and proprietors and reported to the proper local authorities.

A total of 487 houses inspected during the past year housed 6,819 students, 2,649 of whom lived in organized houses, where, generally speaking, better conditions prevail. It will be recognized that only about one-half of the student population was included in this inspection. The explanation is that many students live in neighboring towns or on nearby farms, while others living in the Twin Cities do not reside in the student district.

Immediate attention has been given to daily reports which were received concerning the conditions of the swimming pools and the water supply. The pools and water supply have been ably supervised by the Sanitary Engineer of the University.

Lodging House Inspection:- In making inspections of lodging houses special attention was given to:

- | | |
|-----------------|------------------|
| 1. Study rooms | 7. Heating |
| 2. Bed clothing | 8. Humidity |
| 3. Furniture | 9. Lighting |
| 4. Bathrooms | 10. Basements |
| 5. Dormitories | 11. Cleanliness |
| 6. Ventilation | 12. Fire hazards |

Table 10
Lodging Houses Inspected During 1937-1938

	<u>Men</u>			<u>Women</u>	
	<u>Organized</u>	<u>Unorganized</u>		<u>Organized</u>	<u>Unorganized</u>
Total houses	54	286	.....	33	114
Dormitories	62	138	.....	36	32
Rooms	921	1385	.....	604	496

In a student population of 13,266 a wide variation in living conditions is not surprising. Table 11 shows that a greater part of the students live under favorable conditions and only a very small percentage are in rooms classed by student inspectors as poor.

The most common danger found in student lodging houses is the putting of waste paper and other inflammable materials near furnaces where a single spark could start a fire; the careless disposal of cigarette stumps is a close second. Electric wires are frequently run under rugs or hung over nails and are potential sources of fires and risks to life. Another unnecessary dangerous practice is the storing of ashes in pasteboard or

TABLE I. - *Summary of the results of the survey*

(The figures are given in thousands of francs)

1. Total income	100
2. Tax on income	10
3. Tax on profits	5
4. Tax on capital	2
5. Tax on consumption	1
6. Tax on inheritance	1
7. Tax on gifts	1
8. Tax on gambling	1
9. Tax on tobacco	1
10. Tax on alcohol	1

TABLE II. - *Summary of the results of the survey*

Total income		Total income	
1929	1930	1929	1930
100	100	100	100
10	10	10	10
5	5	5	5
2	2	2	2
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1

It is evident from the above that the results of the survey are in general in line with the findings of the previous studies. The figures show that the total income has increased since 1929, and that the tax on income has also increased. The tax on profits has also increased, but the tax on capital has decreased. The tax on consumption has also decreased, but the tax on inheritance has increased. The tax on gifts has also increased, but the tax on gambling has decreased. The tax on tobacco has also increased, but the tax on alcohol has decreased.

The results of the survey are in general in line with the findings of the previous studies. The figures show that the total income has increased since 1929, and that the tax on income has also increased. The tax on profits has also increased, but the tax on capital has decreased. The tax on consumption has also decreased, but the tax on inheritance has increased. The tax on gifts has also increased, but the tax on gambling has decreased. The tax on tobacco has also increased, but the tax on alcohol has decreased.

Table 11
Living Conditions in Inspected Houses

School Year	Poor Ventilation		Untidy Study-Rooms		Poor Basements		Wooden Ash Con.		Total Houses Inspected
	No. of Houses	% of Total Houses	No.	%	No.	%	No.	%	
1935-1936 *	18	4.7	58	15.1	33	8.6	106	27.6	384
1936-1937 **	24	2.9	117	14.2	97	11.7	222	26.9	827
1937-1938	11	2.3	34	7.0	19	3.8	55	11.3	487

* In 1935-1936 the unorganized houses inspected were those which were in poor condition and the rest of the time was spent on the organized houses. This fact may account in part for the somewhat higher percentage of houses having unfavorable living conditions. There is also a definite trend toward giving students better accommodations.

** It should be noted that during the year 1936-1937 nearly twice the usual number of houses was inspected and this may in part account for some disparity in percentages.

wooden containers. In Table 12 are shown the hazards from improper storage of ashes, as well as the number of houses lacking the protection afforded by fire extinguishers.

Table 12
Fire Hazards

Ashes stored in	
Metal containers	360
Wooden containers	55
Both	29
On the floor	12
No provision	36
Houses without fire extinguishers	362

Table 13
Fire Escapes

<u>Unorganized Houses</u>			<u>Organized Houses</u>		
<u>No. in-</u>	<u>No. with</u>	<u>% with</u>	<u>No. in-</u>	<u>No. with</u>	<u>% with</u>
<u>spected</u>	<u>no escapes</u>	<u>no escapes</u>	<u>spected</u>	<u>no escapes</u>	<u>no escapes</u>
1935-36 282	..... 175	..... 62.0	..... 102	.... 10	..... 9.8
1936-37 ... 730	..... 133	..... 18.2	..... 97	..... 9	..... 9.2
1937-38 ... 400	..... 58	..... 14.5	..... 87	..... 5	..... 5.7

In unorganized houses the conditions of the basements and bathroom facilities were not as good as in organized houses. Out of 400 independent houses, 69 had inadequate bathroom equipment; only 8 of the 87 organized houses inspected were defective in this respect. A number of the unorganized houses are old buildings in which the plumbing fixtures have not been altered since their construction. Table 14 on the next page shows the sanitary conditions of the lodging houses inspected in 1937-1938.

The following table shows the results of the experiments conducted on the effect of the concentration of the solution on the rate of reaction. The results are given in terms of the percentage of the reactant which has reacted in a given time.

Time (min)		Percentage of reactant reacted	
0	0	0	0
10	10	10	10
20	20	20	20
30	30	30	30
40	40	40	40
50	50	50	50

Time (min)		Percentage of reactant reacted	
0	0	0	0
10	10	10	10
20	20	20	20
30	30	30	30
40	40	40	40
50	50	50	50

The results of the experiments show that the rate of reaction is directly proportional to the concentration of the reactant. This is in agreement with the theoretical prediction that the rate of reaction is proportional to the concentration of the reactant raised to the power of the order of the reaction. In this case, the order of the reaction is 1, and the results are in good agreement with the theoretical prediction.

Table 14
Sanitary Conditions of Lodging Houses

	<u>Organized Houses</u>				<u>Unorganized Houses</u>			
	<u>Exc.</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Exc.</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
<u>Study rooms</u>								
Cleanliness and tidiness	240	934	16	0	146	1927	178	11
Ventilation	0	1020	170	0	9	1998	246	11
<u>Bathrooms</u>								
Cleanliness	10	64	0	0	27	299	78	14
<u>Dormitories</u>								
Cleanliness	17	50	4	1	12	141	22	1
<u>Basements</u>								
Cleanliness and tidiness	15	50	8	1	25	273	102	18
<u>Yards</u>								
Cleanliness and tidiness	19	55	0	0	17	384	8	0

Health Education:- During the year the Health Service issued two leaflets on sanitation for students, "The Sanitary Features of Approved Lodging Houses" and "Hints for Foodhandlers," each of which were received favorably. A large municipality and a state board of health requested permission to print "Hints for Foodhandlers" and to distribute them widely.

FIRST AID

A total of 113 first aid cabinets is being maintained in the various buildings on the campus. They are much used and are visited weekly or twice weekly, depending upon their location,

SECRET

1. The following information is being furnished to you for your information:

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to replace supplies as needed.

It has been customary for a number of years for members of the Health Service staff upon request to attend certain University functions in order to render first aid if necessary. This service was given at the Electrical Engineering Show, the Physical Education Tournaments, and the Commencement Exercises.

In coöperation with other departments, the offices of the Health Service were also made available in emergencies to guests of the University. Its facilities were offered to those attending Farm and Home Week, 4-H Club conventions, and short courses given by the University.

LABORATORY SERVICE

As a part of the routine work of the Health Service various laboratory services were given the students and Civil Service employees. In many instances these tests were essential either in making effective the regulations of the University concerning foodhandlers or in diagnosing and controlling communicable disease.

Table 15
Laboratory Tests

Urinalyses	9796
Kahn tests	1164
Bacteriological examinations of excreta ..	674
Diphtheria cultures	131
Smears for Vincent's angina	130
Smears from the urethra	118
Blood examinations (white cells)	60
Basal metabolism tests	50
Wasserman tests	40
Sputum examinations	31
X-ray examinations	20
Agglutination tests for undulant fever..	11
Cultures from secretions of the eye	<u>5</u>
Total	12230

Table 16
Positive Laboratory Tests

Smears for Vincent's angina	62
Kahn tests for syphilis	8
Bacteriological examinations of excreta ...	6
Cultures from excretions of the eye	5
Smears from the urethra for gonorrhea	<u>4</u>
Throat swabs for diphtheria	<u>4</u>
Total	89

NURSERY SCHOOL

The psychology department conducted a nursery school for observation and experimentation during the summer term. Drs. Maude L. Etheredge and Marjorie M. Smarzo, of the Health Service staff, cooperated with the psychologists by giving the twenty-five children daily medical supervision.

REQUESTS FOR INFORMATION

One-hundred and twenty-nine citizens of the state have requested information on various aspects of public health, and approximately 215 bulletins and pamphlets have been sent to them. Twenty-five or more requests were received for reprints of articles by members of the department and for copies of forms used by the Health Service.

ORAL EXAMINATIONS AND INTERVIEWS FOR THE STATE CIVIL SERVICE COMMISSION

Members of the Health Service Staff, on the request of the State Civil Service Commission, have conducted examinations of nurses, supervisors of nurses, assistant superintendent of McKinley Hospital, and health educational experts. A total of approximately 37 applicants was examined at Chicago and Urbana.

THE GENERAL PRACTITIONER AND THE HEALTH SERVICE

The medical staff of the Health Service has had the most helpful cooperation of local and attending physicians in caring for students. A total of 376 letters has been received

concerning the physical conditions of students who are or have been patients of these doctors. Family physicians have certified that 24 students were immune to smallpox as a result of having had the disease, and 844 as a result of being successfully vaccinated against smallpox. Two had had typhoid fever, 101 had been inoculated against this disease; 9 had been immunized against diphtheria; 3 had been immunized against scarlet fever, 176 had had scarlet fever, and 109 had been given the Dick tests.

The total number of students admitted to local hospitals during the academic year was 2,846. Of this number, 2,550 were sent to the hospitals by local doctors, while 296 went there directly from the Health Service Station. The 296 students who went to the hospitals from the Health Service Station chose 49 different doctors, thereby exercising their inalienable right to select their own medical attendant.

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TWENTY-SECOND ANNUAL REPORT

APPENDIX A

APPENDIX A

Table I

TYPES OF MEDICAL ATTENTION TO STUDENTS AND EMPLOYEES

	<u>1936-1937</u>	<u>1937-1938</u>
Advice in case of illness	2801	2297
First aid in injury and infection	3468	3441
Sent to hospital	573	340
Referred to specialist	1713	1459
Urinalyses	9768	9796
Complete physical examinations of students and employees	5471	5751

Table II

MONTHLY DISTRIBUTION OF VISITS

	<u>Student</u>		<u>Civil Service</u>		<u>Total</u>
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	
July	946	726	155	11	1838
August	2118	655	126	22	2921
September	7992	2030	124	8	10154
October	4832	1990	103	15	6940
November	3694	1733	74	4	5505
December	3313	1581	65	4	4963
January	3946	1489	168	12	5615
February	13865	4905	653	20	19443
March	10001	5466	525	37	16029
April	3117	1527	77	16	4737
May	3136	1622	136	12	4906
June	1029	758	192	4	1983
Totals	57989	24482	2398	165	85034

Table III

CLASSIFICATION OF INJURIES TO CIVIL SERVICE EMPLOYEES FOR FIVE YEARS

1933-1934 1934-1935 1935-1936 1936-1937 1937-1938

Abrasions	17	13	12	13
Amputations	1	..	..	..
Accident, automobile (death) .....	..	..	..	..
Avulsion	1	..	..	..
Bites	1	..	2	..
Blisters	1	..	1	..
Broken bones	3	2	..	..
Bruise	6	1	5	1

ANNEX 4

Table 1

Table 1: Summary of the results of the survey

Year	1990-1991	1991-1992
1990	100	100
1991	100	100
1992	100	100
1993	100	100
1994	100	100
1995	100	100
1996	100	100
1997	100	100
1998	100	100
1999	100	100
2000	100	100

Table 2

Table 2: Summary of the results of the survey

Year	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995
1990	100	100	100	100	100
1991	100	100	100	100	100
1992	100	100	100	100	100
1993	100	100	100	100	100
1994	100	100	100	100	100
1995	100	100	100	100	100
1996	100	100	100	100	100
1997	100	100	100	100	100
1998	100	100	100	100	100
1999	100	100	100	100	100
2000	100	100	100	100	100

Table 3

Table 3: Summary of the results of the survey

Year	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995
1990	100	100	100	100	100
1991	100	100	100	100	100
1992	100	100	100	100	100
1993	100	100	100	100	100
1994	100	100	100	100	100
1995	100	100	100	100	100
1996	100	100	100	100	100
1997	100	100	100	100	100
1998	100	100	100	100	100
1999	100	100	100	100	100
2000	100	100	100	100	100

Table III (cont'd)

	<u>1933-1934</u>	<u>1934-1935</u>	<u>1935-1936</u>	<u>1936-1937</u>	<u>1937-1938</u>
Burns, acid	3	6	8	5	1
others	9	4	3	8	9
Contusions	15	7	39	21	13
Concussion			1		
Dislocations		25			
Excoriations	2		1	2	
Finger nail torn loose	1	1		1	
Flashed eye			1		
Foreign body, eye	11	11	10	17	14
Fractures	5	5		7	3
Gas inhaled		1		2	
Heat stroke			1	2	
Hernia	1	2	6	3	
Incisions					
Infections	5	2		9	11
Inflammations	1	3	1	2	
Injuries	7	8	4		7
Lacerations		33	27	32	22
Lacerations, incisions, abrasions, and puncture wound	51				6
Muscle soreness	2	2	1		1
Pain		1			
Phlebitis	1				
Poisoning	1				
Poison ivy		5	6	1	
Puncture wound		1		9	4
Rabies virus on skin					
Rupture varicosity	1				
Sliver and splinter	9	4	5	5	4
Sprain and strain	10	14	21	11	7
Torn ligament				2	

Table IV

LABORATORY EXAMINATIONS

	<u>Positive</u>	<u>Negative</u>	<u>Total</u>
Feces for typhoid fever	6	674	680
Sputum for tuberculosis	0	31	31
Kahn test for syphilis	8	1164	1172
Throat cultures, diphtheria	4	131	135
Smear, Vincent's angina	62	130	192
Agglutination test for undulant fever	0	11	11
Urethral smears	4	118	122
Smear for tuberculosis	0	31	31
X-ray examinations			20
Blood examinations (white cells)			60
Basal metabolism test			50
Eye cultures	5	5	10

Table V

CASES CARED FOR AT MCKINLEY HOSPITAL

	<u>Communicable</u>		<u>Non-Communicable</u>		<u>Total</u>	
	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>
July.....	0	0	0	0	0	0
August.....	0	0	0	0	0	0
September..	1	4	151	335	152	339
October.....	1	13	401	1202	402	1215
November....	3	9	270	773	273	782
December....	4	24	274	910	278	934
January.....	3	4	347	1041	350	1045
February....	6	73	258	828	264	901
March.....	11	102	353	1171	364	1273
April.....	7	71	213	758	220	829
May.....	3	23	226	633	229	656
June.....	1	26	28	113	29	139
Total.....	40	349	2521	7764	2561	8113

Table VI

AVERAGE HOSPITAL STAY
Percentage of Students Using Hospitals

<u>Year</u>	<u>Average Hospital Stay</u>	<u>Percent of Students Using Hospitals</u>
1932-1933.....	4.1	11.9
1933-1934.....	3.91	15.3
1934-1935.....	3.65	24.6
1935-1936.....	3.89	24.3
1936-1937.....	3.81	24.8
1937-1938.....	3.39	21.43

Table 1

Summary of the results of the analysis

Variable	Mean	Standard Deviation	Minimum	Maximum	Skewness	Kurtosis
Variable 1	1.23	0.45	0.00	3.00	0.12	2.34
Variable 2	2.56	0.78	0.00	5.00	0.25	2.56
Variable 3	3.45	0.92	0.00	6.00	0.31	2.78
Variable 4	4.12	1.05	0.00	7.00	0.38	3.01
Variable 5	5.67	1.23	0.00	8.00	0.45	3.25

Table 2

Summary of the results of the analysis

Variable	Mean	Standard Deviation	Minimum	Maximum	Skewness	Kurtosis
Variable 1	1.23	0.45	0.00	3.00	0.12	2.34
Variable 2	2.56	0.78	0.00	5.00	0.25	2.56
Variable 3	3.45	0.92	0.00	6.00	0.31	2.78
Variable 4	4.12	1.05	0.00	7.00	0.38	3.01
Variable 5	5.67	1.23	0.00	8.00	0.45	3.25

Table VII

CASES CARED FOR AT MCKINLEY HOSPITAL

<u>Disease</u>	<u>1935-1936</u>		<u>1936-1937</u>		<u>1937-1938</u>	
	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>
Chickenpox	10	106	2	20	9	69
Diphtheria	...	...	2	27	1	14
Influenza	533	1804	304	1217	4	11
Malaria	...	...	...	...	2	7
Measles	2	8	3	6	12	88
Mumps	20	180	59	572	6	57
Pneumonia	6	103	5	105	..	..
Scarlet						
fever	28	699	14	386	4	81
Total	599	2900	389	2333	38	327

Table VIII

ELEMENTARY HYGIENE

	<u>Number of Students</u>	<u>Number of Sections</u>
Hygiene V		
Men, First Semester	1297	28
Men, Second Semester	1170	28
Hygiene II		
Women, First Semester	492	10
Women, Second Semester	408	10

ADVANCED HYGIENE

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Hygiene X			
First Semester	29	7	36
Second Semester	78	12	90

Table IX

FAMILY HISTORY OF INHERITABLE DISEASES

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Apoplexy...	1.29	1.62	27	.70	23	1.49	50	.93
Cancer	8.59	13.79	342	8.93	216	13.99	558	10.38
Goiter	4.36	7.41	151	3.94	136	8.81	287	5.34
Mental dis-								
turbances ...	.67	1.56	33	.86	26	1.68	59	10.9
Diabetes ...	4.88	8.39	187	4.88	174	11.27	361	6.72
Epilepsy ...	.35	.19	16	.42	9	.58	25	.46
Kidney dis-								
ease ..	2.02	5.07	65	1.69	65	4.19	130	2.21
Tubercu-								
losis ...	5.49	9.04	188	4.88	137	8.81	325	6.05

Table X

INJURIES

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Head	4.12	1.49	203	5.30	36	2.32	239	4.45
Chest ...	3.67	.32	136	3.55	18	1.16	154	2.85
Abdomen ...	.81	.05	29	.76	1	.07	30	.57
Arm	15.68	5.01	641	16.75	93	6.02	734	13.69
Leg	8.43	2.47	306	7.99	76	4.92	382	7.11
Others ...	1.88	4.03	73	1.91	53	3.43	126	2.35

Table XI

OPERATIONS

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Head								
Tonsils	49.58	54.23	2081	54.36	922	59.71	3003	55.89
Adenoids	33.01	21.78	1574	41.12	177	11.42	1751	32.58
Others	2.94	4.42	133	3.47	95	6.15	228	4.24
Chest	.38	.06	16	.41	11	.71	27	.49
Abdomen	9.59	10.66	327	8.54	180	11.66	507	9.44
Circum-								
cision	19.5	.....	848	22.15	.....	.....	848	22.25
Others	2.53	2.79	123	3.21	38	2.46	161	2.99

TABLE 12. SUMMARY OF DATA

Year	No. of fish	Length (mm)				Weight (g)			
		1	2	3	4	1	2	3	4
1954	10	100	110	120	130	10	15	20	25
1955	15	110	120	130	140	15	20	25	30
1956	20	120	130	140	150	20	25	30	35
1957	25	130	140	150	160	25	30	35	40
1958	30	140	150	160	170	30	35	40	45
1959	35	150	160	170	180	35	40	45	50
1960	40	160	170	180	190	40	45	50	55
1961	45	170	180	190	200	45	50	55	60
1962	50	180	190	200	210	50	55	60	65
1963	55	190	200	210	220	55	60	65	70
1964	60	200	210	220	230	60	65	70	75
1965	65	210	220	230	240	65	70	75	80
1966	70	220	230	240	250	70	75	80	85
1967	75	230	240	250	260	75	80	85	90
1968	80	240	250	260	270	80	85	90	95
1969	85	250	260	270	280	85	90	95	100
1970	90	260	270	280	290	90	95	100	105
1971	95	270	280	290	300	95	100	105	110
1972	100	280	290	300	310	100	105	110	115
1973	105	290	300	310	320	105	110	115	120
1974	110	300	310	320	330	110	115	120	125
1975	115	310	320	330	340	115	120	125	130
1976	120	320	330	340	350	120	125	130	135
1977	125	330	340	350	360	125	130	135	140
1978	130	340	350	360	370	130	135	140	145
1979	135	350	360	370	380	135	140	145	150
1980	140	360	370	380	390	140	145	150	155
1981	145	370	380	390	400	145	150	155	160
1982	150	380	390	400	410	150	155	160	165
1983	155	390	400	410	420	155	160	165	170
1984	160	400	410	420	430	160	165	170	175
1985	165	410	420	430	440	165	170	175	180
1986	170	420	430	440	450	170	175	180	185
1987	175	430	440	450	460	175	180	185	190
1988	180	440	450	460	470	180	185	190	195
1989	185	450	460	470	480	185	190	195	200
1990	190	460	470	480	490	190	195	200	205
1991	195	470	480	490	500	195	200	205	210
1992	200	480	490	500	510	200	205	210	215
1993	205	490	500	510	520	205	210	215	220
1994	210	500	510	520	530	210	215	220	225
1995	215	510	520	530	540	215	220	225	230
1996	220	520	530	540	550	220	225	230	235
1997	225	530	540	550	560	225	230	235	240
1998	230	540	550	560	570	230	235	240	245
1999	235	550	560	570	580	235	240	245	250
2000	240	560	570	580	590	240	245	250	255
2001	245	570	580	590	600	245	250	255	260
2002	250	580	590	600	610	250	255	260	265
2003	255	590	600	610	620	255	260	265	270
2004	260	600	610	620	630	260	265	270	275
2005	265	610	620	630	640	265	270	275	280
2006	270	620	630	640	650	270	275	280	285
2007	275	630	640	650	660	275	280	285	290
2008	280	640	650	660	670	280	285	290	295
2009	285	650	660	670	680	285	290	295	300
2010	290	660	670	680	690	290	295	300	305
2011	295	670	680	690	700	295	300	305	310
2012	300	680	690	700	710	300	305	310	315
2013	305	690	700	710	720	305	310	315	320
2014	310	700	710	720	730	310	315	320	325
2015	315	710	720	730	740	315	320	325	330
2016	320	720	730	740	750	320	325	330	335
2017	325	730	740	750	760	325	330	335	340
2018	330	740	750	760	770	330	335	340	345
2019	335	750	760	770	780	335	340	345	350
2020	340	760	770	780	790	340	345	350	355
2021	345	770	780	790	800	345	350	355	360
2022	350	780	790	800	810	350	355	360	365
2023	355	790	800	810	820	355	360	365	370
2024	360	800	810	820	830	360	365	370	375
2025	365	810	820	830	840	365	370	375	380
2026	370	820	830	840	850	370	375	380	385
2027	375	830	840	850	860	375	380	385	390
2028	380	840	850	860	870	380	385	390	395
2029	385	850	860	870	880	385	390	395	400
2030	390	860	870	880	890	390	395	400	405
2031	395	870	880	890	900	395	400	405	410
2032	400	880	890	900	910	400	405	410	415
2033	405	890	900	910	920	405	410	415	420
2034	410	900	910	920	930	410	415	420	425
2035	415	910	920	930	940	415	420	425	430
2036	420	920	930	940	950	420	425	430	435
2037	425	930	940	950	960	425	430	435	440
2038	430	940	950	960	970	430	435	440	445
2039	435	950	960	970	980	435	440	445	450
2040	440	960	970	980	990	440	445	450	455
2041	445	970	980	990	1000	445	450	455	460
2042	450	980	990	1000	1010	450	455	460	465
2043	455	990	1000	1010	1020	455	460	465	470
2044	460	1000	1010	1020	1030	460	465	470	475
2045	465	1010	1020	1030	1040	465	470	475	480
2046	470	1020	1030	1040	1050	470	475	480	485
2047	475	1030	1040	1050	1060	475	480	485	490
2048	480	1040	1050	1060	1070	480	485	490	495
2049	485	1050	1060	1070	1080	485	490	495	500
2050	490	1060	1070	1080	1090	490	495	500	505
2051	495	1070	1080	1090	1100	495	500	505	510
2052	500	1080	1090	1100	1110	500	505	510	515
2053	505	1090	1100	1110	1120	505	510	515	520
2054	510	1100	1110	1120	1130	510	515	520	525
2055	515	1110	1120	1130	1140	515	520	525	530
2056	520	1120	1130	1140	1150	520	525	530	535
2057	525	1130	1140	1150	1160	525	530	535	540
2058	530	1140	1150	1160	1170	530	535	540	545
2059	535	1150	1160	1170	1180	535	540	545	550
2060	540	1160	1170	1180	1190	540	545	550	555
2061	545	1170	1180	1190	1200	545	550	555	560
2062	550	1180	1190	1200	1210	550	555	560	565
2063	555	1190	1200	1210	1220	555	560	565	570
2064	560	1200	1210	1220	1230	560	565	570	575
2065	565	1210	1220	1230	1240	565	570	575	580
2066	570	1220	1230	1240	1250	570	575	580	585
2067	575	1230	1240	1250	1260	575	580	585	590
2068	580	1240	1250	1260	1270	580	585	590	595
2069	585	1250	1260	1270	1280	585	590	595	600
2070	590	1260	1270	1280	1290	590	595	600	605
2071	595	1270	1280	1290	1300	595	600	605	610
2072	600	1280	1290	1300	1310	600	605	610	615
2073	605	1290	1300	1310	1320	605	610	615	620
2074	610	1300	1310	1320	1330	610	615	620	625
2075	615	1310	1320	1330	1340	615	620	625	630
2076	620	1320	1330	1340	1350	620	625	630	635
2077	625	1330	1340	1350	1360	625	630	635	640
2078	630	1340	1350	1360	1370	630	635	640	645
2079	635	1350	1360	1370	1380	635	640	645	650
2080	640	1360	1370	1380	1390	640	645	650	655
2081	645	1370	1380	1390	1400	645	650	655	660
2082	650	1380	1390	1400	1410	650	655	660	665
2083	655	1390	1400	1410	1420	655	660	665	670
2084	660	1400	1410	1420	1430	660	665	670	675
2085	665	1410	1420	1430	1440	665	670	675	680
2086	670	1420	1430	1440	1450	670	675	680	685
2087	675	1430	1440	1450	1460	675	680	685	690
2088	680	1440	1450	1460	1470	680	685	690	695
2089	685	1450	1460	1470	1480	685	690	695	700
2090	690	1460	1470	1480	1490	690	695	700	705
2091	695	1470	1480	149					

Table XII

USE OF TEA, COFFEE, AND TOBACCO

	1940		Men No.	%	1941		Total No.	%
	Men	Women			Men	Women		
	%	%			%	%		
Tea	25.03	46.42	761	1.98	668	43.26	1429	26.60
Coffee	44.03	50.00	1649	4.31	729	47.21	2378	44.27
Tobacco	38.21	28.80	1380	36.05	451	29.21	1831	34.08
None of three	33.12	25.51	1282	33.49	364	23.57	1646	30.64

Table XIII

SLEEPING HABITS

	1940		Men No.	%	1941		Total No.	%
	Men	Women			Men	Women		
	%	%			%	%		
Under 6 hours .....	.23	.72	6	.15	4	.26	10	.19
6 to 7 hours	11.88	11.12	429	11.2	201	12.96	630	11.73
8 to 9 hours	81.87	80.56	3198	83.55	1139	80.30	4337	80.73
10 hours & over	4.03	7.60	195	5.10	100	6.48	295	5.49

Table XIV

STUDENTS GIVING HISTORIES OF TYPHOID FEVER

Class of 1928	4.86	Class of 1935	2.08
Class of 1929	4.08	Class of 1936	2.21
Class of 1930	3.72	Class of 1937	2.28
Class of 1931	2.79	Class of 1938	2.57
Class of 1932	2.83	Class of 1939	1.46
Class of 1933	3.02	Class of 1940	1.14
Class of 1934	2.09	Class of 1941 .....	.69

TABLE 1

Summary of data for the first 100 years

Period 1 (1800-1850)					Period 2 (1850-1900)			
Year	Age	Sex	Height	Weight	Year	Age	Sex	Height
1800	20	M	5'8"	150	1850	20	M	5'10"
1810	25	F	5'4"	120	1860	25	F	5'6"
1820	30	M	5'6"	130	1870	30	M	5'8"
1830	35	F	5'2"	110	1880	35	F	5'4"
1840	40	M	5'4"	120	1890	40	M	5'6"

TABLE 2

Summary of data for the next 100 years

Period 3 (1900-1950)					Period 4 (1950-2000)			
Year	Age	Sex	Height	Weight	Year	Age	Sex	Height
1900	20	M	5'10"	160	1950	20	M	5'12"
1910	25	F	5'6"	130	1960	25	F	5'8"
1920	30	M	5'8"	140	1970	30	M	5'10"
1930	35	F	5'4"	120	1980	35	F	5'6"
1940	40	M	5'6"	130	1990	40	M	5'8"

TABLE 3

Summary of data for the last 100 years

Year	Age	Sex	Height	Weight	Year	Age	Sex	Height
2000	20	M	5'12"	170	2050	20	M	5'14"
2010	25	F	5'8"	140	2100	25	F	5'10"
2020	30	M	5'10"	150	2150	30	M	5'12"
2030	35	F	5'6"	130	2200	35	F	5'8"
2040	40	M	5'8"	140	2250	40	M	5'10"
2050	45	F	5'4"	120	2300	45	F	5'6"
2060	50	M	5'6"	130	2350	50	M	5'8"
2070	55	F	5'2"	110	2400	55	F	5'4"
2080	60	M	5'4"	120	2450	60	M	5'6"
2090	65	F	5'0"	100	2500	65	F	5'2"

Table XV

RELATIVE OCCURRENCE OF CERTAIN DISEASES IN HISTORIES OF THE CLASS
OF 1941

	1940				1941			
	Men	Women	Men	Women	Men	Women	Total	
	%	%	No.	%	No.	%	No.	%
Appendicitis	8.67	13.85	317	8.28	209	13.54	526	9.30
Asthma	1.78	2.47	85	2.22	32	2.07	117	2.18
Chickenpox	48.64	72.18	2127	55.56	1114	72.15	3241	60.33
Chorea .....	.19	.33	9	.23	4	.26	13	.24
Constipation	1.08	5.86	43	1.12	106	6.86	149	2.78
Diabetes .....	.24	.33	16	.42	3	.20	19	.35
Diphtheria	5.58	5.66	190	4.98	90	5.83	280	5.21
Discharging ear	3.69	7.16	127	3.38	103	6.67	230	4.29
Dysentery .....	.40	.46	25	.65	16	1.04	41	.76
Epilepsy .....	.11	--	1	.03	--	--	1	.019
Heart trouble	3.02	3.71	77	2.01	58	3.75	135	2.51
Hay fever	5.74	6.63	226	5.98	113	7.32	339	6.31
Hernia (rupture)	2.72	.66	112	2.98	9	.58	121	2.25
Infantile paralysis	1.99	.72	28	.73	9	.58	37	.69
Influenza	13.12	20.29	496	12.99	344	22.31	840	15.63
Kidney trouble	1.54	3.19	50	1.31	55	3.59	105	1.95
Malaria	2.21	2.60	87	2.28	42	2.72	129	2.39
Measles	79.82	84.46	3135	81.90	1297	84.0	4432	82.5
German measles	20.80	33.94	679	17.49	510	33.03	1189	22.13
Meningitis .....	.22	.19	14	.36	4	.26	18	.34
Mumps	52.22	52.41	1957	51.12	866	56.09	2823	52.55
Nervous breakdown .....	.62	1.17	15	.38	17	1.10	32	.59
Pleurisy	1.37	2.73	57	1.49	25	1.62	82	1.53
Pneumonia	9.29	13.2	381	9.95	180	11.66	561	10.44
Rheumatism	1.37	3.19	61	1.59	39	2.46	100	1.89
Scarlet fever	16.01	17.30	621	16.22	281	18.2	902	16.8
Sinusitis	4.42	4.94	141	3.68	66	4.27	207	3.85
Smallpox	3.18	11.78	114	2.99	34	2.20	148	2.76
Tonsillitis	11.78	16.06	635	16.59	384	24.87	1019	18.95
Trachoma .....	.06	--	2	.053	--	--	2	.04
Tuberculosis .....	.19	.26	8	.21	2	.13	10	.19
Typhoid fever	1.0	1.5	26	.67	11	.71	37	.69
Undulant fever .....	.11	--	--	--	2	.13	2	.04
Whooping cough	48.48	63.52	1840	48.1	917	59.4	2757	51.32
Others	10.21	2.54	75	1.95	41	2.69	116	2.16
IMMUNIZATIONS:								
Diphtheria	23.09	23.08	1035	27.04	467	30.24	1502	27.96
Scarlet fever	10.32	12.16	472	12.33	236	15.28	708	13.18
Smallpox	76.66	74.64	3112	81.32	1264	81.87	4376	81.46
Typhoid fever	17.38	10.21	708	18.49	176	11.40	884	16.45
TESTS:								
Schick	10.43	10.08	600	15.67	322	20.85	922	17.14
Dick	4.82	5.79	252	6.64	160	10.41	412	7.68

Table XVI

GENERAL DEVELOPMENT

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Excellent .....	.84	2.34	60	1.54	21	1.36	81	1.49
Good	90.0	92.98	3350	87.48	1425	92.49	4775	88.88
Fair	8.39	4.55	393	10.28	95	6.15	488	9.08
Poor .....	.67	.13	16	.42	3	.20	19	.35
BUILD:								
Stocky	9.89	11.38	428	11.18	186	12.04	614	11.4
Medium	72.97	47.85	2804	73.25	783	50.72	3587	66.81
Slender	17.14	40.77	596	15.57	575	37.24	1171	21.79

Table XVII

COLOR OF EYES

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Blue	37.75	36.74	1658	43.29	600	38.86	2253	41.92
Gray	10.48	9.55	292	7.64	92	5.91	384	7.18
Greenish	9.0	9.04	277	7.23	161	10.45	438	8.15
Hazel	9.51	11.57	176	4.60	188	12.1	364	6.78
Brown	32.66	32.25	1400	36.58	495	32.06	1895	35.28
Dark .....	.60	.85	25	.65	8	.52	33	.61

Table XVIII

COLOR OF HAIR

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Flaxen	7.44	9.69	168	4.39	97	6.22	265	4.93
Reddish	2.99	5.39	107	2.80	58	3.76	165	3.07
Light brown	20.16	29.84	807	21.08	514	33.28	1321	24.58
Brown	39.42	29.26	1511	39.73	439	28.43	1950	36.30
Dark brown	19.99	21.23	781	20.40	371	24.17	1152	21.26
Black	10.	4.59	454	11.60	64	4.14	518	9.86

Table XIX

TEETH

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Cavities	23.31	7.48	783	20.45	138	8.94	921	17.14
Absent	43.44	23.29	1469	38.38	413	26.10	1882	35.03
Need cleaning ..	21.37	1.63	750	19.55	52	3.37	802	14.98
Diseased gums .....	.81	2.02	62	1.62	20	1.31	82	1.53
No cavities, none absent	34.30	70.	1753	45.89	810	52.46	2563	47.71
Teeth devital- ized	7.71	.85	214	5.59	46	2.98	260	4.88

Table XX

ABNORMALITIES OF THE HEART

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormalities ...	1.51	1.11	26	.67	25	1.62	51	.95
Irregular pulse ...	.30	.26	10	.26	8	.52	18	.33

Table XXI

THYROID ENLARGEMENT

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Enlarged								
Slight .....	.54	24.16	6	.16	232	15.0	238	4.44
Moderate		2.67	1	.02	19	1.22	20	.20
Marked .....		...	1	.02	1	.06	2	.04
Evidence of toxicity .....	.05	.13	3	.08	1	.06	4	.08



Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
Population	40	60	50	70	60	80	70	90	80	100	90
Area	10	15	12	18	14	20	16	22	18	25	20
Per cent	25	37.5	31.25	43.75	37.5	50	43.75	56.25	50	62.5	56.25

POPULATION IN THE STATE



Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
Population	40	60	50	70	60	80	70	90	80	100	90
Area	10	15	12	18	14	20	16	22	18	25	20
Per cent	25	37.5	31.25	43.75	37.5	50	43.75	56.25	50	62.5	56.25

POPULATION IN THE STATE



Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
Population	40	60	50	70	60	80	70	90	80	100	90
Area	10	15	12	18	14	20	16	22	18	25	20
Per cent	25	37.5	31.25	43.75	37.5	50	43.75	56.25	50	62.5	56.25

Table XXII

CHEST AND LUNGS

	1940				1941			
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Lungs, abnormal..	.46	.71	10	.26	8	.52	18	.33
Chest								
Flat	2.34	8.45	89	2.34	75	4.86	164	3.06
Funnel .....	.46	3.97	17	.44	41	2.69	58	1.08
Pigeon .....	.40	2.28	10	.26	13	.82	23	.43

Table XXIII

CONDITION OF ABDOMINAL WALLS

	1940				1941			
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormal .....	.22	.91	2	.058	5	.32	7	.13
Hernia .....	.70	.26	46	1.20	4	.26	50	.98

Table XXIV

INCIDENCE OF ENLARGED LYMPH GLANDS

	1940				1941			
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Epitrochlear ..	2.02	.26	82	2.14			82	1.53
Axillary.....	3.83	1.95	209	5.46	16	1.54	225	4.19
Cervical	5.58	16.78	259	6.77	181	11.71	440	8.25
Inguinal.....	17.87	3.19	714	18.67	34	2.23	748	13.92

Table XXV

HERNIA IN MEN

Class of 1928	1.40	Class of 1935	1.71
Class of 1929	1.51	Class of 1936 .....	.71
Class of 1930	1.35	Class of 1937	1.19
Class of 1931	1.26	Class of 1938	1.16
Class of 1932	1.41	Class of 1939 .....	.76
Class of 1933	1.74	Class of 1940 .....	.70
Class of 1934	1.30	Class of 1941	2.98

Table XXVI

GENITO-URINARY ORGANS

	<u>1940</u>	<u>1941</u>	
	<u>%</u>	<u>No.</u>	<u>%</u>
Testes abnormal.....	.70	21	.55
Circumcision	23.76	1446	37.77

Table XXVII

CRYPTORCHIDISM

Class of 1928 .....	.77	Class of 1935 .....	.48
Class of 1929 .....	.75	Class of 1936 .....	.28
Class of 1930 .....	.71	Class of 1937 .....	.32
Class of 1931 .....	.38	Class of 1938 .....	.43
Class of 1932 .....	.60	Class of 1939 .....	.03
Class of 1933 .....	.32	Class of 1940 .....	.29
Class of 1934 .....	.70	Class of 1941 .....	.18

Table XXVIII

URINALYSIS

	<u>1940</u>				<u>1941</u>			
	<u>Men</u>	<u>Women</u>	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>%</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Acid	80.03	72.63	2887	75.42	1095	70.72	3982	74.14
Alkaline	19.62	21.65	844	22.05	369	24.07	1213	22.58
Neutral .....	.35	2.27	97	2.53	80	5.21	177	3.28
Sugar .....	.43	.78	5	.13	74	4.81	79	1.47
Albumin	6.06	2.47	143	3.74	96	6.24	239	4.49

Table XXIX

GLYCOSURIA AND ALBUMINURIA OVER A PERIOD OF YEARS

	Sugar		Albumin	
	Men	Women	Men	Women
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
Class of 1928 .....	.84	.41	3.10	.49
Class of 1929 .....	.12	.07	3.75	.49
Class of 1930 .....	.19	.60	7.33	4.4
Class of 1931 .....	.58	1.86	5.71	2.75
Class of 1932 .....	.06	.48	3.6	2.1
Class of 1933 .....	.09	.85	2.62	1.44
Class of 1934 .....	.21	.79	5.65	2.97
Class of 1935 .....	.22	1.29	5.40	4.2
Class of 1936 .....	.52	1.19	6.7	2.87
Class of 1937 .....	.52	0	4.97	1.15
Class of 1938 .....	.86	2.13	4.59	3.66
Class of 1939 .....	.42	.59	4.94	4.69
Class of 1940 .....	.43	.78	6.06	2.47
Class of 1941 .....	.13	4.81	3.74	6.24

Table XXX

FOOT ABNORMALITIES

	1940		1941				Total	
	Men	Women	Men	Women	Men	Women	No.	%
	<u>%</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Long Arches								
1st degree	7.84	27.83	401	10.48	392	25.39	793	14.78
2nd degree	2.26	9.95	207	5.40	197	12.46	404	7.52
3rd degree	1.08	2.08	53	1.39	71	4.60	124	2.31
Anterior arches	10.29	39.01	393	10.28	539	34.89	932	17.35
Abnormalities								
of feet	----	3.64	1	.03	6	.40	7	.13

Table XXXI

FOOT ABNORMALITIES OVER A PERIOD OF YEARS

	Long Arches						Anterior Arches flat	
	1st Degree		2nd Degree		3rd Degree		Men	Women
	Men	Women	Men	Women	Men	Women		
	%	%	%	%	%	%		
Class of 1931	15.82	29.78	11.35	33.22	3.28	11.	20.25	23.18
Class of 1932	18.4	17.5	10.9	27.8	2.5	19.8	27.1	27.5
Class of 1933	9.99	17.3	7.74	17.17	1.33	5.94	15.23	42.17
Class of 1934	19.5	11.68	9.73	9.3	2.03	1.51	22.31	28.41
Class of 1935	15.9	19.2	9.5	8.7	1.08	1.6	19.6	35.9
Class of 1936	18.3	36.4	9.5	10.	.99	2.18	28.3	29.
Class of 1937	14.3	32.9	7.1	12.3	2.4	2.72	22.2	34.
Class of 1938	15.82	25.21	6.98	7.84	2.36	1.68	18.98	20.49
Class of 1939	11.92	32.16	5.52	7.03	2.46	1.98	14.47	7.47
Class of 1940	7.84	27.83	2.26	9.95	1.08	2.08	10.29	39.01
Class of 1941	10.48	25.39	5.40	12.76	1.39	4.60	10.28	34.89

Table XXXII

SPINE ABNORMALITIES

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Kyphosis	.78	6.57	72	1.88	188	12.1	260	4.84
Lordosis	2.94	11.83	92	2.40	248	16.06	340	6.33
Scoliosis	2.18	7.54	67	1.75	99	6.42	166	3.09

Table XXXIII

NOSE ABNORMALITIES

	1940		1941				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Spur	4.39	.39	117	3.06	8	.52	125	2.33
Deviated septum	13.58	11.96	522	13.63	220	14.25	742	13.81
Atrophied	.30	.06	24	.63	3	.20	27	.49
Hypertrophy	8.54	9.95	292	7.64	191	12.37	483	8.99

Table XXXIV

THROAT ABNORMALITIES

	1940		Men	%	No.	1941		Men	%	No.	Total	
	Men	Women				Women	Total					
	%	%				%	%					
TONSILS:												
Removed.....	46.59	57.54	1972	51.51	922	59.71	2894	53.98				
Tags	5.93	12.29	202	5.28	167	10.82	369	6.87				
Pathological ..	14.47	9.36	394	10.31	179	11.59	573	10.63				

Table XXXV

PERCENTAGE OF STUDENTS WITH TONSILS REMOVED OVER A PERIOD OF YEARS

		Men	Women			Men	Women
Class of 1929...	28.78		33.77	Class of 1936	44.		50.1
Class of 1930...	30.76		38.3	Class of 1937	45.3		52.1
Class of 1931...	35.77		42.42	Class of 1938	52.19		57.19
Class of 1932...	37.3		37.2	Class of 1939	49.20		56.26
Class of 1933...	42.48		45.56	Class of 1940	46.59		57.54
Class of 1934...	42.41		41.1	Class of 1941	51.51		59.71
Class of 1935...	45.4		52.2				

Table XXXVI

EARS

	1940		Men		Women		Total	
	Men	Women	Men	Women	Men	Women	Total	
	%	%	No.	%	No.	%	No.	%
Perforated.....	.11	.26	29	.76	8	.52	37	.69
Cerumen	8.46	8.91	228	6.04	342	22.15	570	10.57
Hearing abnormal..	.03	.39	17	.44	23	1.53	40	.73

Table XXXVII

	EYES							
	1940		1941					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormal								
Color vision .....	.57	0	1	.03	64	4.14	65	1.22
Refraction								
O. D. only	6.74	9.82	193	5.04	143	9.26	336	6.25
O. S. only	7.44	9.23	229	6.07	125	8.09	354	6.58
Both O.D. & O.S.	31.10	28.48	1062	27.74	341	22.09	1403	26.12
Corrected with glasses	9.22	35.11	480	12.60	429	27.96	909	16.92

Table XXXVIII

POSTURE

1941

	Men		Women		Total	
	No.	%	No.	%	No.	%
Restricted flex- ibility	4	.11	4	.26	8	.16
Excellent	61	1.53	28	1.82	89	1.66
Good	3313	84.55	977	63.26	4290	79.98
Fair	406	13.22	524	33.94	930	17.31
Poor	50	1.30	15	.98	65	1.22

Table XXXIX

INCIDENCE OF HISTORY OF VENEREAL DISEASE

	Men		1941 Women		Total	
	No.	%	No.	%	No.	%
Gonorrhea	11	.29	--	--	11	.21
Syphilis	--	--	--	--	--	--
Chancroid	1	.03	--	--	1	.019

Table XL
INCIDENCE OF VACCINATION SCARS
1941

	Men		Women		Total	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Arm	3148	82.24	899	58.23	4047	75.33
Leg	12	.31	364	23.57	376	6.99
None	668	17.45	481	31.15	1149	21.39

Table XLI
SKIN DISEASES

	Men		Women		Total	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Acne	969	25.31	468	30.24	1437	26.78
Mycosis	394	10.31	286	18.52	680	12.68
Others	5	.13	22	1.42	27	.49

TWENTY-SECOND ANNUAL REPORT

APPENDIX B

APPENDIX B

Table I

SUMMARY OF MEDICAL HISTORIES

	<u>Men</u>	<u>Women</u>	<u>Class of</u> <u>Total</u> '41	<u>Class of</u> <u>Total</u> '40
Total number examined	3828	1544	5372	5249
Total number re-examined ...	2536	1453	3989	3838
Inheritable diseases				
Apoplexy (family history) ..	27	23	50	73
Cancer (" ") ...	342	216	558	531
Goiter (" ") ...	151	136	287	276
Mental disturbances				
(family history)	33	26	59	49
Diabetes (family history) ..	187	174	361	310
Epilepsy (" ") ..	16	9	25	16
Kidney disease (family history)	65	65	130	153
Tuberculosis (family history)	188	137	325	343
Birthplace				
Illinois	2746	1070	3816	3738
Elsewhere	1082	474	1556	1511
Work for self-support				
during college	1907	313	2220	2433
Use laxatives frequently	92	109	201	285
Sleep				
Under 6 hours	6	4	10	19
6-7 hours	429	201	630	612
8-9 hours	3198	1139	4337	4278
10 hours and over	195	100	295	341
Habits				
Coffee	1649	729	2378	2403
Tea	761	668	1429	1643
Tobacco	1380	451	1831	1861
None of the three	1282	364	1646	1621
Age started smoking				
Younger than 10 years	---	---	---	---
10-14 years	41	14	55	112
15-19 "	1201	403	1604	1628
20-24 "	137	30	167	127
25 years and over	1	5	6	7
Meals per day				
One	---	35	35	1
Two	53	757	810	139
Three	3745	749	4494	5086
More than three	29	3	32	23
Weight the past year				
Gained	1427	423	1850	1866
Lost	344	259	603	567
Stationary	2057	862	2919	2816

Table I--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u> <u>Total</u>	<u>Class of '40</u> <u>Total</u>
Easily fatigued	146	225	371	415
Subject to frequent colds in				
Nose	599	368	967	793
Throat	177	228	405	314
Lungs	33	72	105	77
When reading, bothered with				
Headaches	156	181	337	293
Blurring of vision	80	103	183	204
Burning of eyes	129	119	248	275
Squinting of eyes	54	80	134	157
Watering of eyes	94	62	156	167
Twitching of eyes	61	74	135	134
Persistently worry	95	95	190	199
Have the "blues"	152	171	323	278
Injuries				
Head	203	36	239	176
Chest	136	18	154	141
Abdomen	29	1	30	32
Arm	641	93	734	659
Leg	306	76	382	351
Others	73	53	126	132
Operations				
Head				
tonsils	2081	922	3003	2673
adenoids	1574	177	1751	1560
others	133	95	228	177
Chest	16	11	27	15
Abdomen	327	180	507	520
Circumcision	848	--	848	783
Others	123	38	161	137
Arches of feet painful	78	68	146	183
Possible reasons for not taking				
Physical education	108	100	208	210
Military science	140	---	140	157
Diseases had				
Appendicitis	317	209	526	534
Asthma	85	32	117	103
Chickenpox	2127	1114	3241	2905
Chorea	9	4	13	12
Constipation	43	106	149	119
Diabetes	16	3	19	14
Diphtheria	190	90	280	294
Discharging ear	127	103	230	247
Dysentery	25	16	41	22
Epilepsy	1	-	1	4
Heart trouble	77	58	135	169
Hay fever	226	113	339	315

Table I--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u> <u>Total</u>	<u>Class of '40</u> <u>Total</u>
Diseases had (Cont'd)				
Hernia (rupture).....	112	9	121	111
Infantile paralysis	28	9	37	85
Influenza	496	344	840	799
Kidney trouble.....	50	55	105	106
Malaria	87	42	129	122
Measles	3135	1297	4432	4261
German measles	679	510	1189	1294
Meningitis	14	4	18	11
Mumps	1957	866	2823	2744
Nervous breakdown	15	17	32	41
Pleurisy	57	25	82	97
Pneumonia	381	180	561	548
Rheumatism	61	39	100	100
Scarlet fever	621	281	902	861
Sinusitis	141	66	207	240
Smallpox	114	34	148	163
Tonsillitis	635	384	1019	684
Trachoma	2	--	2	2
Tuberculosis	8	2	10	11
Typhoid fever	26	11	37	60
Undulant fever.....	--	2	2	4
Whooping cough	1840	917	2757	2776
Others	75	41	116	418
Immunizations				
Diphtheria	1035	467	1502	1212
Scarlet fever.....	472	236	708	570
Smallpox	3112	1264	4376	3993
Typhoid fever	708	176	884	812
Tests				
Schick	600	322	922	542
Dick	252	160	412	268

Table II

SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u> <u>Total</u>	<u>Class of '40</u> <u>Total</u>
Color of hair				
Flaxen	168	97	265	425
Reddish	107	58	165	194
Light brown	807	514	1321	1208
Dark brown	781	371	1152	1069
Brown	1511	439	1950	1913
Black	454	64	518	440

Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u> <u>Total</u>	<u>Class of '40</u> <u>Total</u>
Color of eyes				
Blue	1653	600	2253	1966
Gray	292	92	384	535
Greenish	277	161	438	473
Hazel	176	188	364	531
Brown	1400	495	1895	1708
Black	25	8	37	36
Vision abnormal without glasses				
Both eyes	1062	341	1403	1593
Right eye (O. D.)	193	143	336	400
Left eye (O. S.)	229	125	354	418
Corrected with glasses	480	429	909	883
Color vision abnormal	1	64	65	21
Ears				
Right ear				
Cerumen	137	174	311	194
Perforated drum	10	6	16	17
Hearing abnormal	6	14	20	16
Left ear				
Cerumen	91	168	259	148
Perforated drum	19	2	21	14
Hearing abnormal	11	9	20	9
Nose				
Spur	117	8	125	169
Deviation	522	220	742	688
Chronic hypertrophy	292	191	483	470
Atrophy	24	3	27	12
Tonsils				
Removed	1972	922	2894	2614
Tags	202	167	369	409
Pathological	394	179	573	681
Teeth				
No cavities or absent	1753	810	2563	2349
Cavities	783	138	921	980
Absent	1469	413	1882	1980
Need cleaning	750	52	802	818
Devitalized	214	46	260	299
Gums diseased	62	20	82	61

Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u>	<u>Class of '40</u>
Weight				
Below 100 pounds.....	*	84		
100-115 incl.		385		
116-130		405		
131-145		226		
146-160		92		
161-175		24		
176-190		10		
191 and over		7		
Height				
Below 50 inches.....	*	--		
50-59 incl.		33		
60-62		312		
63-65		596		
66-68		262		
69-71		29		
72 and over		1		
Skin				
Acne	969	468	1437	1873
Mycosis	394	286	680	746
Other skin diseases	5	22	27	53
Vaccination scar				
Arm	3148	899	4047	3942
Leg	12	364	376	358
None	668	481	1149	949
General development				
Excellent	60	21	81	67
Good	3350	1425	4775	4769
Fair	393	95	488	386
Poor	16	3	19	27
Build				
Stocky	428	186	614	542
Medium	2804	783	3587	3444
Slender	596	575	1171	1263
Chest				
Flat	89	75	164	217
Funnel	17	41	58	78
Pigeon	10	13	23	50
Vertebral column				
Kyphosis (stooped)	72	188	260	130
Lordosis (swayback)	92	248	340	291
Scoliosis (curvature)	67	99	166	197

*See pages 51, 52, 53

Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u> <u>Total</u>	<u>Class of '40</u> <u>Total</u>
Posture				
Excellent	61	28	89	324
Good	3313	977	4290	4381
Fair	406	524	930	452
Poor	50	15	65	42
Restricted flexibility	4	4	8	7
Lymph nodes				
Axillary	209	16	225	172
Cervical	259	181	440	465
Epitrochlear	82	--	82	79
Inguinal	714	34	748	712
Thyroid				
Enlarged				
Slight	6	232	238	334
Moderate	1	19	20	41
Marked	1	1	2	0
Evidence of toxicity	3	1	4	4
Lungs, abnormal	10	8	18	28
Heart				
Abnormal	26	25	51	73
Irregular pulse	10	3	13	15
Abdomen, abnormal	2	5	7	22
Reflexes				
Patellar	69	28	97	71
Romberg	10	4	14	22
Pupillary	84	4	88	19
Penis, circumcised	1446	--	1446	1372
Testes, abnormal	21		21	26
Hernia, present	46	4	50	30
Hemorrhoids, present	49	6	55	28
Varicocoele, present	194		194	--
Flat feet				
Long arches				
first degree	401	392	793	719
second "	207	197	404	237
third "	53	71	124	72
Anterior arches flat	393	539	932	982
Abnormalities	1	6	7	56
Had venereal disease				
Gonorrhea	11	--	11	2
Syphilis	--	--	--	0
Chancroid	1	--	1	0
Physical defects				
Amputations	9	1	10	16
Atrophies	10	13	23	25
Unusual scars	280	59	339	344
Deformities	28	28	56	56

Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '41</u> <u>Total</u>	<u>Class of '40</u> <u>Total</u>
Urine				
Acid	2887	984	3871	4088
Alkaline	844	369	1213	1061
Neutral	97	80	177	48
Albumin				
Persistent	23	13	36	19
Transitory	120	83	203	244
Unclassified	123	1437	1560	
Sugar				
Persistent	1	1	2	5
Transitory	4	73	77	23
Unclassified	17	1459	1476	
Menses				
Regular .....	..	1289	1289	1288
Irregular .....	..	255	255	250
Pain				
Severe .....	..	269	269	267
Slight .....	...	627	627	529

SUBNORMAL DEVELOPMENT OF MEN STUDENTS
AS DETERMINED BY MINIMUM STANDARDS
OF THE WAR DEPARTMENT

	<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Grand Total</u>
Underheight and underweight (under 64" and 120 lbs.)	17	2	8	27
Underheight (under 64"; 120 lbs. or over)	14	8	7	29

<u>Height</u>	<u>Weight</u>	<u>Chest at</u> <u>Expiration</u>	<u>Satisfactory</u>				<u>Underdev. Chest</u>			
			<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-s</u>	<u>Total</u>
64	120	30	44	12	14	70	-	-	-	-
65	121	30	60	33	24	117	3	1	-	4
66	122	30 $\frac{1}{4}$	184	68	46	298	2	-	1	3
67	124	30 $\frac{1}{2}$	267	98	43	408	7	-	1	8
68	126	30 3/4	342	112	79	533	12	-	-	12
69	128	31	365	114	75	554	7	1	-	8
70	130	31 $\frac{1}{4}$	321	100	63	484	6	3	-	9
71	133	31 3/4	246	82	56	384	5	-	1	6
72	138	32 $\frac{1}{4}$	179	54	33	266	2	-	-	2
73	143	32 3/4	87	24	10	121	3	1	-	4
74	148	33 $\frac{1}{2}$	30	16	16	62	3	1	-	4
75	155	34 $\frac{1}{4}$	15	1	8	24	2	1	-	3
76	161	34 3/4	2	1	-	3	2	-	-	2
77	168	35 $\frac{1}{4}$	2	-	-	2	-	-	-	-
78	175	35 3/4	2	-	-	2	-	-	-	-
Totals			2146	715	467	3328	54	8	3	65

SUBNORMAL DEVELOPMENT OF MEN STUDENTS
AS DETERMINED BY MINIMUM STANDARDS
OF THE WAR DEPARTMENT
(cont'd)

Height	Weight	Chest at Expiration	Underweight				Underdev. Chest and Underweight			
			Urban	Rural	Out-S	Total	Urban	Rural	Out-S	Total
64	120	30	11	5	3	19	-	-	-	-
65	121	30	17	12	4	33	1	-	1	2
66	122	30 $\frac{1}{4}$	17	9	11	37	2	-	3	5
67	124	30 $\frac{1}{2}$	31	12	8	51	2	2	-	4
68	126	30 $\frac{3}{4}$	32	13	10	55	-	1	-	1
69	128	31	22	3	5	30	4	2	-	6
70	130	31 $\frac{1}{4}$	31	5	8	44	2	3	3	8
71	133	31 $\frac{3}{4}$	24	2	8	34	3	1	-	4
72	138	32 $\frac{1}{4}$	13	3	3	19	1	1	-	2
73	143	32 $\frac{3}{4}$	2	3	1	6	3	-	1	4
74	148	33 $\frac{1}{2}$	-	-	-	-	2	5	-	7
75	155	34 $\frac{1}{4}$	1	4	-	5	-	1	1	2
76	161	34 $\frac{3}{4}$	-	-	-	-	1	-	-	1
77	168	35 $\frac{1}{4}$	-	-	-	-	-	-	-	-
78	175	35 $\frac{3}{4}$	-	-	-	-	-	-	-	-
Totals			201	71	61	333	21	16	9	46

SUBNORMAL DEVELOPMENT OF MEN STUDENTS
AS DETERMINED BY MINIMUM STANDARDS
OF THE WAR DEPARTMENT
(cont'd)

<u>Height</u>	<u>Weight</u>	<u>Chest at</u> <u>Expiration</u>	<u>Urban</u>	<u>Grand</u> <u>Rural</u>	<u>Totals</u> <u>Out-S</u>	<u>Total</u>
64	120	30	11	5	3	19
65	121	30	21	13	5	39
66	122	$30\frac{1}{4}$	21	9	15	45
67	124	$30\frac{1}{2}$	40	14	9	63
68	126	$30\frac{3}{4}$	44	14	10	68
69	128	31	33	6	5	44
70	130	$31\frac{1}{2}$	39	11	11	61
71	133	$31\frac{3}{4}$	32	3	9	44
72	138	$32\frac{1}{4}$	16	4	3	23
73	143	$32\frac{3}{4}$	8	4	2	14
74	146	$33\frac{1}{2}$	5	6	-	11
75	155	$34\frac{1}{2}$	3	6	1	10
76	161	$34\frac{3}{4}$	3	-	-	3
77	168	$35\frac{1}{2}$	-	-	-	--
78	175	$35\frac{3}{4}$	-	-	-	--
Totals			276	95	73	444

TWENTY-SECOND ANNUAL REPORT

APPENDIX C

APPENDIX C

CIVIL SERVICE EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined.....	283	12	295
Married	210	2	212
Widower, widow	7	5	12
Single	66	5	71
Age			
Under 20	5		5
20-29 years	64	1	65
30-39 "	85	4	89
40-49 "	64	-	64
50 years and over	65	7	72
Inheritable diseases			
Tuberculosis	12	1	13
Cancer	21	2	23
Neurasthenia	--	--	--
Epilepsy	--	--	--
Others	--	-1	1
Birthplace			
Illinois	215	9	224
Elsewhere	68	3	71
Injuries			
Head	6	--	6
Chest	16	--	16
Abdomen	5	--	5
Arm	53	1	54
Leg	20	--	20
Others	2	--	2
Operations			
Head			
Tonsils	44	3	47
Adenoids	18	--	18
Others	7	1	8
Chest	--	1	1
Abdomen	37	2	39
Circumcision	6	--	6
Vaccinations			
Typhoid fever	73	3	76
Smallpox	242	9	251
Age of vaccination scar			
Under 10 years	72	1	73
10-20 years	82	3	85
Over 20 years	88	5	93
Sleep			
Under 6 hours	--	3	3
6-7 hours	44	3	47
8-9 hours	231	9	240
10 hours and over	8	--	8

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Habits			
Tea	35	5	40
Coffee	243	11	254
Tobacco	226	1	227
Alcohol	54	--	54
Drugs	--	--	--
None of the above	10	--	10
Diseases had			
Measles	236	12	248
Rubella	2	2	4
Mumps	186	8	194
Chickenpox	130	6	136
Whooping cough	159	9	168
Scarlet fever	26	2	28
Typhoid fever	26	3	29
Diphtheria	12	1	13
Meningitis	--	--	--
Malaria	14	1	15
Smallpox	23	2	25
Pneumonia	23	1	24
Asthma	4	--	4
Pleurisy	8	--	8
Rheumatism	17	1	18
Tonsillitis	29	--	29
Chorea	--	--	--
Influenza	69	3	72
Otitis media	3	1	4
Gonorrhea	19	--	19
Syphilis	--	--	--
Chancroid	2	--	2
Constipation	6	3	9
Dysentery	1	--	1
Appendicitis	19	--	19
Neurasthenia	--	--	--
Poliomyelitis	--	--	--
Tuberculosis	--	--	--
Glasses	50	6	56
Others	--	--	--

SUMMARY OF PHYSICAL EXAMINATIONS

Weight			
Below 100 lbs.	--	--	--
100-115 incl.	12	--	12
116-130	30	1	31
131-145	80	5	85
146-160	79	4	83
161-175	45	1	46
176-190	27	1	28
191 and over	10	--	10

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Height			
Below 50 inches	--	--	--
50-59	3	1	4
60-62	8	4	12
63-65	49	4	53
66-68	126	3	129
69-71	68	--	68
72 inches and over	29	--	29
Color of hair			
Flaxen	5	--	5
Reddish	3	1	4
Light brown	65	3	68
Dark brown	45	2	47
Brown	99	3	102
Black	31	1	32
Gray	21	2	23
Color of eyes			
Blue	140	9	149
Gray	53	--	53
Greenish	15	--	15
Hazel	21	1	22
Brown	52	2	54
Black	2	--	2
Vision abnormal without glasses			
Both eyes	112	--	112
Right eye (O.D.)	18	7	25
Left eye (O.S.)	24	8	32
Corrected with glasses	17	5	22
Colorblind	1	--	1
Manifest astigmatism	--	1	1
Ears			
Right ear			
Cerumen	9	--	9
Perforated drum	--	--	--
Hearing abnormal	2	4	6
Left ear			
Cerumen	7	--	7
Perforated drum	1	--	1
Hearing abnormal	--	2	2
Nose			
Spur	3	--	3
Deviation	47	1	48
Chronic hypertrophy	5	--	5
Atrophy	--	--	--
Tonsils			
Removed	36	3	39
Tags	5	1	6
Pathological	17	2	19

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Tooth			
No cavities or absent	89	--	89
Cavities	79	1	80
Absent	164	11	175
Need cleaning	160	--	160
Devitalized	50	--	50
Gums diseased	42	1	43
General development			
Excellent	5	--	5
Good	235	12	247
Fair	41	--	41
Poor	2		2
Build			
Stocky	48	4	52
Medium	193	6	199
Slender	42	2	44
Skin			
Acne	15	2	17
Mycosis	13	5	18
Other skin diseases	--	1	1
Vaccination scar			
Arm	142	8	150
Leg	--	1	1
None	45	3	48
Chest			
Flat	8	--	8
Funnel	1	--	1
Pigeon	--	--	--
Vertebral column			
Kyphosis	14	3	17
Lordosis	19	3	22
Scoliosis	7	--	7
Posture			
Excellent	2	--	2
Good	228	5	233
Fair	42	5	47
Poor	11	--	11
Restricted flexibility	--	--	--
Lymph nodes			
Axillary	7	--	7
Cervical	8	1	9
Epitrochlear	3	--	3
Inguinal	30	--	30
Thyroid			
Enlarged			
Slight	1	3	4
Moderate	--	1	1
Marked	--	--	--
Evidence of toxicity	--	--	--

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Lungs, abnormal	2	--	2
Heart, abnormal	8	--	8
Irregular pulse	5	--	5
Abdomen, abnormal	1	--	1
Reflexes			
Patellar	2	--	2
Romberg	2	--	2
Pupillary	1	--	1
Penis, circumcised	33	--	33
Testes, abnormal	3	--	3
Hernia, present	27	--	27
Varicocoele, present	19	--	19
Hemorrhoids, present	16	--	16
Flat feet			
Long arches			
First degree	31	2	33
Second "	14	4	18
Third "	4	2	6
Anterior arches flat	30	8	38
Abnormalities	1	--	1
Had venereal disease			
Gonorrhea	32	--	32
Syphilis	1	--	1
Chancroid	1	--	1
Physical defects			
Amputations	4	--	4
Atrophies	4	--	4
Unusual scars	14	1	15
Deformities	8	--	8
Urine			
Acid	225	10	235
Alkaline	47	2	49
Neutral	11	--	11
Albumin			
Persistent	--	--	--
Transitory	2	--	2
Unclassified	7	12	19
Sugar			
Persistent	--	--	--
Transitory	--	--	--
Unclassified	4	12	16

UNIVERSITY HIGH SCHOOL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined.....	45	39	84
Total number reexamined	--	39	39
Inheritable diseases			
Apoplexy	--	--	
Cancer	6	6	12
Goiter	--	4	4
Mental disturbances	1	3	4
Diabetes	2	6	8
Epilepsy	--	1	1
Kidney disease	2	3	5
Tuberculosis	1	3	4
Birthplace			
Illinois	36	26	62
Elsewhere	9	13	22
Use laxatives frequently	--	4	4
Sleep			
Under 6 hours	--	--	--
6-7 hours	1	5	6
8-9 hours	25	14	39
10 hours and over	19	20	39
Habits			
Coffee	7	8	15
Tea	8	11	19
Tobacco	6	3	9
None of the three	33	21	54
Age started smoking			
Younger than 10 years	--	--	--
10-14 years	2	--	2
15-19 "	4	3	7
Meals per day			
One	--	--	--
Two	0	1	1
Three	45	38	83
More than three	--	--	--
Weight the past year			
Gained	35	23	58
Lost	1	5	6
Stationary	9	11	20
Easily fatigued	--	6	6
Menses			
Regular	--	22	22
Irregular	--	7	7
Pain			
Severe	--	2	2
Slight	--	16	16
Menses not started	--	10	10

TWENTY-SECOND ANNUAL REPORT

APPENDIX D

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Vision abnormal without glasses			
Both eyes	13	-	13
Right eye (O.D.)	3	6	9
Left eye (O.S.)	2	10	12
Corrected with glasses	5	2	7
Colorblind	-	-	-
Manifest astigmatism	-	18	18
Ears			
Right ear			
Cerumen	1	2	3
Perforated drum	-	1	1
Hearing abnormal	-	-	-
Left ear			
Cerumen	-	2	2
Perforated drum	1	-	1
Hearing abnormal	-	-	-
Nose			
Spur	1	-	1
Deviation	1	8	9
Chronic hypertrophy	2	2	4
Atrophy	-	-	-
Tonsils			
Removed	25	24	49
Tags	2	6	8
Pathological	5	7	12
Teeth			
No cavities or absent	19	30	49
Cavities	9	1	10
Absent	20	8	28
Need cleaning	5	3	8
Devitalized	-	-	-
Gums diseased	1	2	3
General development			
Excellent	-	-	-
Good	36	38	74
Fair	9	1	10
Poor	-	-	-
Build			
Stocky	7	1	8
Medium	20	25	45
Slender	18	13	31
Skin			
Acne	8	10	18
Mycosis	3	5	8
Other skin diseases	-	-	-
Vaccination scar			
Arm	28	22	50
Leg	-	9	9
None	17	8	25

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Subject to frequent colds in			
Nose	6	12	18
Throat	4	6	10
Lungs	1	-	1
When reading, bothered with			
Headaches	2	8	10
Blurring of vision	1	2	3
Burning of eyes	2	1	3
Squinting of eyes	-	3	3
Watering of eyes	-	1	1
Twitching of eyes	-	-	-
Persistently worry	-	2	2
Have the "blues"	4	3	7
Injuries			
Head	2	3	5
Chest	3	4	7
Abdomen	-	-	-
Arm	7	5	12
Leg	1	2	3
Others	-	2	2
Operations			
Head			
Tonsils	26	24	50
Adenoids	20	7	27
Others	4	1	5
Circumcision	6	-	6
Chest	-	-	-
Abdomen	4	3	7
Others	2	-	2
Arches of feet painful	-	3	3
Possible reasons for not taking			
physical education	1	3	4
Diseases had			
Appendicitis	2	6	8
Asthma	1	3	4
Chickenpox	31	32	63
Chorea	-	-	-
Constipation	-	3	3
Diabetes	-	-	-
Diphtheria	-	-	-
Discharging ear	1	3	4
Dysentery	-	-	-
Epilepsy	-	-	-
Heart trouble	-	1	1
Hay fever	1	5	6
Hernia (rupture)	2	-	2
Infantile paralysis	1	-	1
Influenza	3	10	13

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Kidney trouble	1	1	2
Malaria	-	-	-
Measles	35	33	68
German measles	13	16	29
Meningitis	-	-	-
Mumps	25	28	53
Nervous breakdown	-	1	1
Pleurisy	-	1	1
Pneumonia	3	6	9
Rheumatism	-	-	-
Scarlet fever	8	3	11
Sinusitis	1	-	1
Smallpox	2	-	2
Tonsillitis	9	12	21
Whooping cough	30	31	61
Others	-	1	1
Immunizations			
Diphtheria	14	16	30
Scarlet fever	9	9	18
Smallpox	32	31	63
Typhoid fever	4	6	10
Tests			
Schick	11	9	20
Dick	7	9	16
Color of hair			
Flaxen	6	2	8
Reddish	-	2	2
Light brown	14	19	33
Dark brown	7	7	14
Brown	18	9	27
Black	-	39	39
Color of eyes			
Blue	23	20	43
Gray	-	2	2
Greenish	6	4	10
Hazel	3	5	8
Brown	13	8	21
Black	-	-	-
Weight			
Below 100	14	11	25
100-115	8	8	16
116-130	6	15	21
131-145	10	4	14
146-160	4	1	5
Height			
Below 50 inches	-	-	-
50-59	13	5	18
60-62	8	11	19
63-65	6	19	25
66-68	13	4	17
69-71	5	-	5

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Chest			
Flat	2	2	4
Funnel	-	1	1
Pigeon	1	-	1
Vertebral column			
Kyphosis	1	6	7
Lordosis	3	6	9
Scoliosis	-	3	3
Posture			
Excellent	-	-	-
Good	37	31	68
Fair	8	7	15
Poor	-	1	1
Restricted flexibility	-	-	-
Lymph nodes			
Axillary	2	-	2
Cervical	1	5	6
Epitrochlear	-	-	-
Inguinal	3	1	4
Thyroid			
Enlarged			
Slight	-	4	4
Moderate	-	-	-
Marked	-	-	-
Evidence of toxicity	-	-	-
Lungs, abnormal	-	-	-
Heart, abnormal	-	1	1
Irregular pulse	-	-	-
Abdomen, abnormal	-	3	3
Reflexes			
Patellar	1	-	1
Romberg	-	-	-
Pupillary	-	-	-
Penis, circumcised	17	-	17
Testes, abnormal	3	-	3
Hernia, present	-	-	-
Hemorrhoids, present	-	-	-
Flat feet			
Long arches			
First degree	4	7	11
Second degree	2	8	10
Third degree	-	1	1
Anterior arches flat	3	5	8
Abnormalities	-	-	-
Had venereal disease	-	-	-

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Physical defects			
Amputations	-	-	-
Atrophies	-	-	-
Unusual scars	2	-	2
Deformities	-	-	-
Urine			
Acid	33	32	65
Alkaline	12	6	18
Neutral	-	-	-
Albumin			
Persistent	-	-	-
Transitory	1	3	4
Unclassified	-	35	35
Sugar			
Persistent	-	-	-
Transitory	-	-	-
Unclassified	-	38	38

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APPENDIX E

CASES ENCOUNTERED DURING THE YEAR

Abdominal pain	...	11
Abscess		
Alveolar (gumboil)	8	...
Tonsillar	1	..
Unclassified	<u>26</u>	35
Acidosis		1
Acne		143
Adenitis		
Cervical	15	..
Inguinal	3	..
Unclassified	<u>22</u>	40
Adhesions		1
Albuminuria		
Accidental	65	
Unclassified	<u>84</u>	149
Allergy		13
Alopecia		1
Amenorrhea		9
Anaphylaxis		3
Anemia		3
Angina, Vincent's		65
Appendicitis		
Acute	10	...
Chronic	22	..
Unclassified	<u>68</u>	100
Arrhythmia		1
Arthritis		35
Asthma		16
Astigmatism		11
Autointoxication		13
Balanitis		2
Bites		
Animal	17	..
Insect stings	28	
Unclassified	<u>4</u>	49
Blepharitis		65
Bromidrosis		8
Bronchitis		
Acute	29	..
Chronic	1	
Unclassified	<u>248</u>	278
Bunion		5
Bursitis		49
Calculus		1
Callosity		40
Cancrum, oris		58
Carbuncle		17
Caries, dental		8
Cataract		1
Catarrh		2

Cauliflower ear .....	..	1
Cellulitis .....	..	30
Ceruminosis .....	..	315
Chapped .....	..	..
Lips	2	..
Skin	3	..
Unclassified	<u>1</u>	6
Charley horse .....	..	3
Chickenpox .....	..	5
Chiggers .....	..	10
Clavus .....	..	63
Colitis .....	..	37
Color blindness .....	..	5
Comedo .....	..	4
Concussion .....	..	4
Conjunctivitis .....	..	..
Acute	45	..
Chronic	2	..
Unclassified	<u>134</u>	181
Constipation .....	..	72
Coryza .....	..	820
Cough .....	..	8
Cramp .....	..	9
Cyst .....	..	..
Sebaceous	22	..
Unclassified	<u>89</u>	111
Cystitis .....	..	22
Dandruff .....	..	7
Deafness .....	..	9
Dermatitis .....	..	..
Chemical	1	..
Exfoliativa	2	..
Medicamentosa	1	..
Mycelial	1	..
Occupational	2	..
Venenata	23	..
Vesicular	1	..
Unclassified	<u>131</u>	162
Deviation, nasal septum .....	..	5
Diabetes .....	..	5
Diarrhea .....	..	37
Diphtheria .....	..	1
Dysentery .....	..	6
Dysmenorrhea .....	..	30
Ecchymosis .....	..	2
Ecthyma .....	..	2
Eczema .....	..	16
Edema .....	..	15
Erythema .....	..	3
Enteritis .....	..	<u>44</u>

Epidermophytosis	14
Epidermosis.....	1
Epilepsy	2
Epistaxis	33
Eustachian tube, obstruction of	12
Eustachitis	2
Excoriation	9
Exostosis	7
Fainting (syncope).....	6
Fatigue	64
Fever	1
Fissure	
Anus	1
Skin	7
Unclassified	<u>4</u>
Fistula	1
Flat foot (pes planus)....	61
Flatulence (intestinal gas)	3
Folliculitis	6
Frostbite	3
Furunculosis	526
Ganglion	21
Gastritis	62
Gastroenteritis	45
Gingivitis	57
Glossitis	2
Glycosuria	2
Goiter	2
Gonococcus infection	2
Growth	3
Halitosis	2
Hay fever	20
Headache (cephalalgia)....	66
Heart trouble.....	5
Heat rash	3
Heat stroke	1
Hematuria	2
Hemorrhage	4
Hemorrhoids	55
Hernia, unclassified.....	17
Herpes	
Liabilis	39
Simplex	31
Zoster	6
Zoster Ophthalmos	7
Unclassified	<u>23</u>
Hiccough	1
Hordeolum	127
Hyperacidity	2
Hyperhidrosis	10

Hypertension .....	...	11
Hyperopia .....	...	3
Hypothyroidism .....	...	7
Impacted molar .....	...	4
Impetigo .....	...	...
Contagiosa	20	...
Unclassified	<u>131</u>	151
Indigestion .....	...	56
Inflammation .....	...	11
Influenza .....	...	25
Ingrown nail .....	...	63
Insomnia .....	...	26
Intestinal toxemia .....	...	2
Iritis .....	...	1
Irritation .....	...	...
Skin	14	...
Unclassified	<u>15</u>	29
Jaundice .....	...	3
Keloid .....	...	2
Lagrippe .....	...	80
Laryngitis .....	...	73
Leukberma .....	...	1
Lichen .....	...	8
Lumbago .....	...	17
Malaise .....	...	3
Malaria .....	...	1
Mastitis .....	...	3
Measles .....	...	3
Menorrhagia .....	...	9
Metatarsalgia .....	...	36
Migraine .....	...	6
Miliaria .....	...	1
Milium .....	...	1
Mumps .....	...	6
Myalgia .....	...	43
Mycosis .....	...	883
Myopia .....	...	3
Myositis .....	...	151
Nausea .....	...	6
Nasal obstruction .....	...	3
Nervousness .....	...	18
Nephritis .....	...	7
Neuralgia .....	...	...
Face	5	...
Intercostal	1	...
Unclassified	<u>15</u>	21
Neurasthenia .....	...	8
Neuritis .....	...	48
Neurosis .....	...	7

Nevus .....	...	4
Obesity .....	...	8
Orchitis .....	...	3
Otalgia .....	...	7
Otitis		
Externa	34	...
Interna	2	...
Media	<u>75</u>	111
Over-treatment .....	...	1
Overweight .....	...	9
Over-work .....	...	1
Painful		
Arch	35	...
Knee	4	...
Miscellaneous	<u>44</u>	83
Paronychia		35
Pediculosis		
Corporis	4	...
Pubis	27	...
Unclassified	<u>12</u>	43
Periostitis .....	...	6
Pharyngitis		
Acute	189	...
Chronic	2	...
Naso	63	...
Unclassified	<u>1269</u>	1523
Phimosis .....	...	2
Pityriasis .....	...	18
Pleurisy .....	...	34
Poisoning		
Ivy	20	...
Ptomaine	6	...
Unclassified	<u>2</u>	28
Polyuria .....	...	2
Poor posture .....	...	2
Pruritis .....	...	13
Psoriasis .....	...	9
Pterygium .....	...	1
Pustule .....	...	37
Pyorrhea .....	...	1
Pyrosis .....	...	1
Pyuria .....	...	2
Quinsy .....	...	2
Regurgitation, mitral .....	...	4
Retraction, ear drum .....	...	3
Rheumatism .....	...	10
Rhinitis		
Acute	117	...
Chronic	9	...
Unclassified	<u>309</u>	435

Rubella .....	...	1
Scabies .....	...	41
Scarlet fever .....	...	2
Sciatica .....	...	3
Scoliosis .....	...	2
Seborrhea .....	...	10
Sinusitis .....	...	199
Soreness, muscle.....	...	2
Spasm .....	...	2
Stiff neck.....	...	3
Stomatitis		
Apthous	78	..
Unclassified	<u>33</u>	111
Sudamina .....	...	1
Synovitis .....	...	9
Swollen		
Gland	1	..
Leg	2	..
Miscellaneous	<u>2</u>	5
Tachycardia .....	...	12
Tenosynovitis .....	...	4
Tinea		
Circinata	18	..
Cruris	110	..
Versicolor	2	..
Unclassified	<u>97</u>	227
Tinnitus aurium .....	...	3
Tonsil, enlarged .....	...	4
Tonsillitis		
Acute	43	..
Chronic	8	..
Unclassified	<u>147</u>	198
Toothache .....	...	55
Torn ligament .....	...	2
Torticollis .....	...	20
Tracheitis .....	...	19
Trachoma .....	...	2
Tuberculosis .....	...	1
Tumor .....	...	5
Ulcer .....	...	37
Underweight .....	...	39
Urethritis		
Acute	2	..
Unclassified	<u>13</u>	15
Urticaria .....	...	61
Vaccinia .....	...	151
Varicocele .....	...	7

Varicose veins	10
Vasomotor disturbance	1
Verruca (wart)	488
Vertigo	8
Vesicle	3
Vitiligo	2
Vomiting	1
Weak ankle	5
Whitlow	5
Wound	24
Wen	1

INJURIES, WOUNDS, SPRAINS

Abrasion		
Ankle	5	
Arm	14	
Back	2	
Buttocks	1	
Chest	1	
Elbow	5	
Eyelid	10	
Face	11	
Finger	67	
Foot	33	
Gum	2	
Hand	37	
Head	7	
Heel	7	
Knee	64	
Leg	39	
Nose	5	
Penis	2	
Shoulder	1	
Skin	7	
Thigh	7	
Toe	9	
Miscellaneous	32	
Unclassified	<u>32</u>	400
Avulsion, nail		1
Blister		
Heel	71	
Foot	48	
Toe	33	
Miscellaneous	28	
Unclassified	<u>9</u>	189
Broken nose		4

Burn

Acid	18		
Chemical	10		
Electrical	3		
Sunburn	12		
Miscellaneous	39		
Unclassified	<u>35</u>	117	
Arm	5		
Eye	5		
Face	2		
Finger	22		
Foot	4		
Hand	32		
Leg	4		
Neck	1		
Toe	1		
Miscellaneous	8		
Unclassified	<u>13</u>	<u>97</u>	211

Contusion

Arm	16
Back	14
Bone	10
Brain	1
Chest	12
Ear	5
Eye	17
Face	3
Finger	66
Foot	21
Forehead	9
Head	6
Hand	19
Heel	18

Joint

Ankle	7		
Elbow	16		
Hip	2		
Knee	41		
Wrist	<u>2</u>	68	
Leg		26	
Lip		4	
Muscle		1	
Nose		25	
Scrotum		2	
Shoulder		13	
Side		4	
Testicle		4	
Thigh		7	
Toe		36	
Miscellaneous		21	
Unclassified		<u>12</u>	440

Defective vision		35
Dislocation		
Cartilage	1	
Elbow	1	
Finger	3	
Knee	6	11
Foreign body		
Ear	3	
Eye	133	
Finger	41	
Hand	6	
Throat	3	
Miscellaneous	11	
Unclassified	2	199
Fracture		
Bones		
Ankle	2	
Finger	7	
Foot	1	
Leg	1	
Nasal septum	1	
Rib	1	
Toe	2	
Miscellaneous	2	
Tooth	2	
Unclassified	14	33
Incisions		
Finger	7	
Hand	1	
Knee	1	
Leg	1	
Wound	8	
Miscellaneous	3	21
Infections		
Abrasion	3	
Ankle	4	
Arm	20	
Axillar	1	
Blister	13	
Cheek	1	
Chest	3	
Clavus	3	
Comedo	3	
Cyst	23	
Ear	21	
Elbow	6	
Eye	3	
Eyelid	8	
Face	13	
Finger	120	

Infections (cont'd)

Foot	44	
Gum	17	
Hand	23	
Head	6	
Heel	21	
Knee	6	
Leg	20	
Mono-neucleosis	1	
Mouth	2	
Nasal	11	
Neck	1	
Respiratory	4	
Sinus	1	
Skin	20	
Throat	1	
Toe	82	
Tonsils	9	
Tooth	14	
Umbilicus	1	
Vaccination	2	
Wound	3	
Wrist	3	
Miscellaneous	32	
Unclassified	<u>23</u>	592
Injured		
Ankle	9	
Arm	2	
Back	11	
Chest	4	
Elbow	9	
Eye	8	
Finger	25	
Foot	9	
Hand	8	
Knee	24	
Leg	6	
Muscle	2	
Nose	4	
Rib	4	
Shoulder	4	
Skull	1	
Toe	11	
Wrist	4	
Miscellaneous	9	
Unclassified	<u>7</u>	467

Lacerations

Arm	4	
Chin	2	
Eye	12	
Elbow	2	
Face	3	
Finger	110	
Foot	12	
Hand	52	
Head	2	
Knee	8	
Leg	10	
Lips	7	
Mouth	3	
Neck	2	
Nose	3	
Scalp	12	
Toe	1	
Wrist	7	
Wound	16	
Miscellaneous	18	
Unclassified	<u>20</u>	467
Puncture, wound		8

Sprain

Ankle	233	
Arm	1	
Back	14	
Chest	1	
Elbow	8	
Finger	53	
Foot	29	
Hand	10	
Hip	5	
Intercostals	1	
Knee	32	
Leg	4	
Neck	3	
Sacroiliac	20	
Shoulder	10	
Tendon	3	
Thumb	22	
Toe	4	
Wrist	59	
Miscellaneous	9	
Unclassified	<u>4</u>	525

Strain

Abdomen	1	
Ankle	44	
Arm	5	
Back	24	
Eye	54	
Foot	29	
Knee	18	
Muscle	40	
Neck	2	
Sacroiliac	15	
Shoulder	6	
Thigh	1	
Thumb	3	
Wrist	11	
Miscellaneous	17	
Unclassified	<u>6</u>	<u>276</u>

GRAND TOTAL - - - 3414

RECAPITULATION

Pharyngitis	1523
Mycosis	833
Coryza	820
Furunculosis	526
Verruca	488
Rhinitis	435
Ceruminosis	315
Bronchitis	278
Tinea	227
Sinusitis	199
Tonsillitis	198
Conjunctivitis	181
Dermatitis	161
Myositis	151
Impetigo	151
Albuminuria	149
Hordeolum	127
Otitis	111
Cyst	111
Stomatitis	111
Herpes	106
Appendicitis	100
Painful arch, knee, etc.	83
Lagrippe	80
Laryngitis	73
Constipation	72
Headache	66
Angina	65
Blepharitis	65
Fatigue	64
Ingrown nail	63
Gastroenteritis	62
Flat foot	61
Urticaria	61
Gingivitis	57
Indigestion	56
Hemorrhoids	55
Toothache	55
Bites and stings	49
Bursitis	49
Neuritis	48
Gastritis	45
Enteritis	44
Myalgia	43
Pediculosis	43
Scabies	41
Adenitis	40
Callosity	40
Underweight	39
Colitis	37

Ulcer	37
Diarrhea	37
Pustule	37
Metatarsalgia	36
Abscess	35
Arthritis	35
Paronychia	35
Pleurisy	34
Epistaxis	33
Cellulitis	30
Dysmenorrhea	30
Irritation	29
Poisoning	28
Insomnia	26
Influenza	25
Wound	24
Cystitis	22
Ganglion	21
Neuralgia	21
Torticollis	20
Hay fever	20
Nervousness	18
Pityriasis	18
Lumbago	17
Carbuncle	17
Cancrum, oris	17
Hernia	17
Asthma	16
Eczema	16
Edema	15
Urethritis	15
Epidermophytosis	14
Allergy	13
Pruritis	13
Autointoxication	13
Tachycardia	12
Eustachian tube, obstruction of	12
Fissure	12
Astigmatism	11
Abdominal pain	11
Inflammation	11
Hypertension	11
Chiggers	10
Hyperhidrosis	10
Rheumatism	10
Seborrhea	10
Varicose veins	10

NINE CASES:

Cramps, deafness, excoriation, menorrhagia, overweight, psoriasis, synovitis.

EIGHT CASES:

Bromidrosis, dental caries, cough, lichen, neurasthenia, obesity, vertigo.

SEVEN CASES:

Comedo, dandruff, exostosis, hypothyroidism, nephritis, neurosis, otalgia, varicocele.

SIX CASES:

Chap, dysentery, fainting, folliculitis, migraine, mumps, nausea, periostitis.

FIVE CASES:

Bunion, chickenpox, colorblindness, deviation nasal septum, diabetes, heart trouble, swellings, tumor, weak ankle, Whitlow.

FOUR CASES:

Concussion, hemorrhage, impacted molar, nevus, mitral regurgitation, tenosynovitis, enlarged tonsil.

THREE CASES:

Anaphylaxis, anemia, charley horse, erythema, flatulence, frostbite, growth, heat rash, hyperopia, jaundice, malaise, mastitis, measles, myopia, nasal obstruction, orchitis, retraction of ear drum, sciatica, stiff neck, tinnitus aurium, vesicle.

TWO CASES:

Balanitis, catarrh, ecthyma, ecchymosis, epilepsy, eustachitis, glossitis, glycosuria, goitre, gonococcus infection, halitosis, hematuria, hyperacidity, intestinal toxemia, keloid, phimosis, polyuria, poor posture, pyuria, quinsy, scarlet fever, scoliosis, soreness of muscle, spasm, torn ligament, trachoma, vitiligo.

ONE CASE:

Acidosis, adhesions, alopecia, arrhythmia, calculus, cataract, cauliflower ear, diphtheria, epidermosis, fever, fistula, heat stroke, hiccough, iritis, leukberma, malaria, miliaria, milium, over-treatment, over-work, ptorygium, pyorrhea, pyrosis, rubella, sudamina, tuberculosis, vasomotor disturbance, vomiting, wen.

TWENTY-SECOND ANNUAL REPORT

APPENDIX F

GENERAL SCIENCE

No. of teachers who taught General Science and nothing else - 662

Gen. Sc., Chem.....	67
Gen. Sc., Chem., Home Ec.	3
Gen. Sc., Chem., Physics	70
Gen. Sc., Chem., Physics, Biology	26
Gen. Sc., Chem., Math.	5
Gen. Sc., Chem., Math., Physics	3
Gen. Sc., Chem., History	1
Gen. Sc., Chem., Physics, Band	1
Gen. Sc., Chem., Agriculture	2
Gen. Sc., Chem., Biology	15
Gen. Sc., Chem., Physiography, Physiology	4
Gen. Sc., Chem., History, Geography	1
Gen. Sc., Chem., Economics	1
Gen. Sc., Chem., Biology, Physics	5
Gen. Sc., Chem., Physiology	2
Gen. Sc., Chem., Math., Biology	1
Gen. Sc., Biology, English, Foreign Language	2
Gen. Sc., Biology	155
Gen. Sc., Biology, Zoology	6
Gen. Sc., Biology, Physics, English	2
Gen. Sc., Biology, Math.	15
Gen. Sc., Biology, Music	2
Gen. Sc., Biology, Agriculture.....	10
Gen. Sc., Biology, Physiology	4
Gen. Sc., Biology, English.....	7
Gen. Sc., Biology, Dramatics	2
Gen. Sc., P. E.	25
Gen. Sc., P. E., Physics	2
Gen. Sc., P. E., Physics, Manual Training.....	1
Gen. Sc., P. E., History	2
Gen. Sc., P. E., Math.	2
Gen. Sc., P. E., Home Ec.	4
Gen. Sc., P. E., Manual Training.....	1
Gen. Sc., P. E., Economics, Civics	1
Gen. Sc., P. E., Music, Com. Geog., Vocational Guidance	1
Gen. Sc., P. E., Physics, Biology	2
Gen. Sc., Methods of Efficient Study	1
Gen. Sc., P. E., Chem., Physics	3
Gen. Sc., Math.	80
Gen. Sc., Math., Physics	27
Gen. Sc., History, Civics	1
Gen. Sc., History, Math., English.....	2
Gen. Sc., Math., English	3
Gen. Sc., Math., History	2
Gen. Sc., Math., Economics	1
Gen. Sc., Math., English, Civics, History	2
Gen. Sc., Math., Foreign Language	3
Gen. Sc., Math., Geography	3
Gen. Sc., Physics	1
Gen. Sc., Physics, Music	2

Gen. Sc., Physics, Foreign Language	2
Gen. Sc., Physics, Manual Training	1
Gen. Sc., Math., Chem., Rhetoric	1
Gen. Sc., Com. Law	1
Gen. Sc., Music, Home Ec.	1
Gen. Sc., Foreign Language, Botany	1
Gen. Sc., Home Ec.	50
Gen. Sc., Home Ec., English	3
Gen. Sc., Home Ec., Business Training	1
Gen. Sc., Home Ec., Biol., Zoology	2
Gen. Sc., Home Ec., Math.	2
Gen. Sc., Home Ec., Physiology	3
Gen. Sc., Economics	2
Gen. Sc., Economics, History, Geography, Civics	1
Gen. Sc., Civics	2
Gen. Sc., Civics, History	1
Gen. Sc., Agriculture, Business Training	1
Gen. Sc., Agriculture	16
Gen. Sc., Agriculture, Chem., Physics	1
Gen. Sc., Botany	12
Gen. Sc., Botany, Zoology	6
Gen. Sc., Botany, Zoology, History.....	1
Gen. Sc., Botany, Chem., Physics	1
Gen. Sc., Botany, Zoology, Physiology	2
Gen. Sc., Botany, Zoology, Foreign Language	1
Gen. Sc., Botany, Math.	1
Gen. Sc., Business Training	4
Gen. Sc., Com. Geog., Political Science	1
Gen. Sc., English	32
Gen. Sc., English, History, Math., Foreign Language	1
Gen. Sc., Geography	2
Gen. Sc., Geography, P. E.	1
Gen. Sc., History.....	18
Gen. Sc., History, Physiography.....	1
Gen. Sc., History, Civics	3
Gen. Sc., History, Mechanical Drawing.....	1
Gen. Sc., History, Economics	2
Gen. Sc., History, Economics, Civics	2
Gen. Sc., History, Business Training	1
Gen. Sc., Manual Training	2
Gen. Sc., Manual Training, Math.	1
Gen. Sc., Music	1
Gen. Sc., Physiography	2
Gen. Sc., Physiography, Physiology	1
Gen. Sc., Physiology	28
Gen. Sc., Public Speaking	3
Gen. Sc., Rhetoric	1
Gen. Sc., Physiology, Physiography, Math.	2
Gen. Sc., Social Science	1
Gen. Sc., Foreign Language	2
Gen. Sc., Zoology	17
Gen. Sc., Principal	7
Gen. Sc., Director, Health Adviser	1
Gen. Sc., Business Arithmetic, Principal	1
Gen. Sc., Geography, Physics	1
Gen. Sc., Sociology, Psychology	1
Gen. Sc., Astronomy	1

BIOLOGY

No. of teachers who taught Biology and nothing else - 625

Biology, Chem.	17
Biology, Chem., English	1
Biology, Chem., Physics	17
Biology, Chem., Math.	1
Biology, Chem., History	1
Biology, Chem., Physics, Math.	3
Biology, Chem., Agriculture	1
Biology, Chem., Physiography, Physiology.....	1
Biology, Chem., Physics, History	1
Biology, Chem., Economics	4
Biology, Chem., Physiology	6
Biology, Chem., Botany, Zoology.....	1
Biology, Chem., P. E.	2
Biology, Chem., P. E., Home Ec.....	1
Biology, Gen. Sc., Home Ec.	5
Biology, Gen. Sc., Economics	2
Biology, Gen. Sc., Botany, Physiology	1
Biology, Gen. Sc., Bookkeeping	1
Biology, Gen. Sc., Math., Physics	4
Biology, Gen. Sc., Languages	1
Biology, Gen. Sc., Economics, Civics	2
Biology, Gen. Sc., History, Civics	1
Biology, Gen. Sc., Geography	4
Biology, Gen. Sc., History, Library Sc.....	2
Biology, Gen. Sc. Botany, Zoology.....	1
Biology, P. E.	76
Biology, P. E., Physics	2
Biology, P. E., History	4
Biology, P. E., Hygiene	5
Biology, P. E., Math.	3
Biology, P. E., Bookkeeping	1
Biology, P. E., Botany	1
Biology, P. E., Math., Physics	1
Biology, P. E., General Science	5
Biology, P. E., History, Economics, Civics	1
Biology, P. E., Botany, Zoology	1
Biology, P. E., Physiology, Physiography.....	3
Biology, P. E., Sociology, Economics	1
Biology, P. E., Home Economics	1
Biology, P. E., Physiology	4
Biology, P. E., History, Physics, Geography, Physiology....	1
Biology, P. E., History, Physics, General Science.....	2
Biology, Math.	29
Biology, Math., History	3
Biology, Math., Economics	2
Biology, Math., Manual Training.....	1
Biology, Physics	14

Biology, Physics, Zoology, Physiography.....	2
Biology, Physics, Physiology	4
Biology, Physics, Math., Music	1
Biology, Physics, General Science	27
Biology, Physics, Physiology, Physiography	1
Biology, Languages	9
Biology, Home Economics	17
Biology, Home Economics, English	1
Biology, Home Economics, Business Training.....	1
Biology, Home Economics, Science, Music	1
Biology, Home Economics, General Science, English	1
Biology, Economics, P. E.	1
Biology, Economics, Latin, Civics, Physiology.....	1
Biology, Civics	1
Biology, Civics, Bookkeeping	1
Biology, Civics, History	1
Biology, Economics, Physics	1
Biology, Agriculture	47
Biology, Agriculture, Physics.....	1
Biology, Botany	7
Biology, Botany, Zoology	10
Biology, Botany, General Science.....	3
Biology, English	20
Biology, English, History	2
Biology, English, Foreign Languages	2
Biology, English, Sociology	1
Biology, English, History, Latin, Math.....	1
Biology, Geography	1
Biology, Geography, P. E.	1
Biology, Geography, Physics	1
Biology, History	27
Biology, History, Speech	1
Biology, History, Economics	1
Biology, Man. Tr. General Science, Agriculture.....	1
Biology, Music	7
Biology, Physiology	40
Biology, Physiography	1
Biology, Physiology, Physiography.....	6
Biology, Physiology, Languages	1
Biology, Social Science	1
Biology, Zoology.....	10
Biology, Methods of Efficient Study.....	1
Biology, Speech, Business Training.....	1
Biology, Speech, Physics	1
Biology, Business Training	4
Biology, Agriculture, History	2

HYGIENE

No. of teachers who taught Hygiene and nothing else - 71

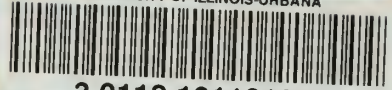
Hygiene, Chemistry	1
Hygiene, Chemistry, English.....	1
Hygiene, Chemistry, Physics, General Science.....	2
Hygiene, Chemistry, Economics.....	1
Hygiene, Chemistry, General Science	2
Hygiene, Chemistry, Math., Biology	1
Hygiene, Biology	10
Hygiene, Biology, General Science.....	1
Hygiene, Biology, Physiology	1
Hygiene, Biology, General Science, Economics.....	1
Hygiene, P. E.	342
Hygiene, P. E., English	2
Hygiene, P. E., History	2
Hygiene, P. E., History, English	1
Hygiene, P. E., Economics	2
Hygiene, P. E., Math.	13
Hygiene, P. E., Business Training	2
Hygiene, P. E., Languages	1
Hygiene, P. E., Math., Civics	2
Hygiene, P. E., General Science	3
Hygiene, P. E., Home Economics	1
Hygiene, P. E., Manual Training	2
Hygiene, P. E., Social Science	1
Hygiene, P. E., General Science, Physiology	1
Hygiene, General Science.....	14
Hygiene, General Science, Botany, Physiology.....	2
Hygiene, Math.	11
Hygiene, Math., English	3
Hygiene, Math., English, Civics, History.....	1
Hygiene, Math., Physics	3
Hygiene, Physics, Zoology, Physiography.....	1
Hygiene, Home Economics	10
Hygiene, Home Economics, Dramatics	1
Hygiene, Home Economics, Physiography	1
Hygiene, Economics	1
Hygiene, Economics, Civics	1
Hygiene, Civics	3
Hygiene, Agriculture	1
Hygiene, Agriculture, Physiography.....	1
Hygiene, Botany, Zoology, History	1
Hygiene, Dean of Women	1
Hygiene, English.....	11
Hygiene, English, History	1
Hygiene, Languages, Geography	2
Hygiene, History	8
Hygiene, Music	3
Hygiene, Physiography.....	3
Hygiene, Physiology	7
Hygiene, P. E., General Science, Biology.....	1
Hygiene, Art	1
Hygiene, Anatomy	1

PHYSIOLOGY

No. of teachers who taught Physiology and nothing else - 124

Physiology, Chemistry	8
Physiology, Chemistry, Home Ec.	1
Physiology, Chemistry, English	1
Physiology, Chemistry, Physics.....	6
Physiology, Chemistry, Math.	1
Physiology, Chemistry, Biology, Physics.....	1
Physiology, Chemistry, Physics, Physiography.....	1
Physiology, History	1
Physiology, Biology, Chemistry, P. E.....	1
Physiology, Biology, Zoology	3
Physiology, Biology, Music, Physiography	1
Physiology, P. E.	49
Physiology, P. E., History	5
Physiology, P. E., Physiography.....	3
Physiology, P. E., Math.	6
Physiology, P. E., Economics	1
Physiology, P. E., Commercial Geography.....	1
Physiology, P. E., Botany	1
Physiology, P. E., Foreign Language	1
Physiology, P. E., History, Economics, Civics.....	1
Physiology, P. E., Vocational Guidance.....	1
Physiology, P. E., Manual Training.....	2
Physiology, Gen. Sc., Math., Physics	1
Physiology, Gen. Sc., Hygiene	1
Physiology, Math.	10
Physiology, Math., History, English	1
Physiology, Physics	1
Physiology, Physics, Math.....	3
Physiology, Physics, Zoology, Physiography	1
Physiology, Physics, Botany, Zoology	1

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